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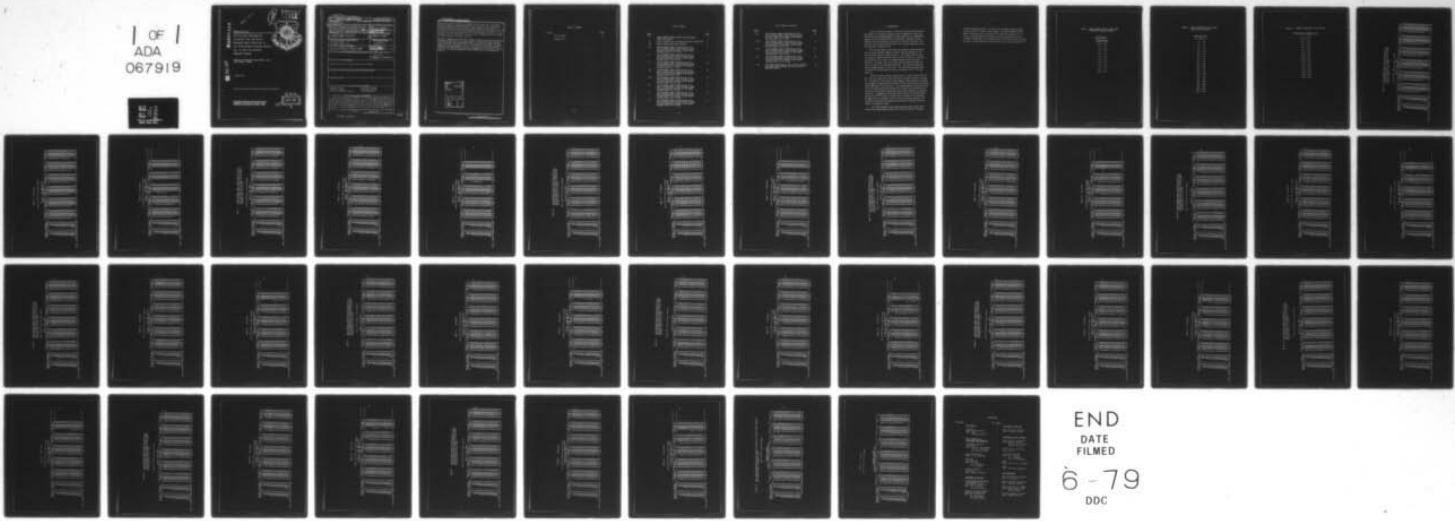
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CALCULATIONAL PROCEDURE FOR
EVALUATING TIME- AND SPATIAL-
DEPENDENT ENERGY DEPOSITION IN
AIR FOR ANISOTROPIC NUCLEAR SOURCES:
VOL. II, DATA FOR ISOTROPIC
GAMMA-RAY SOURCES



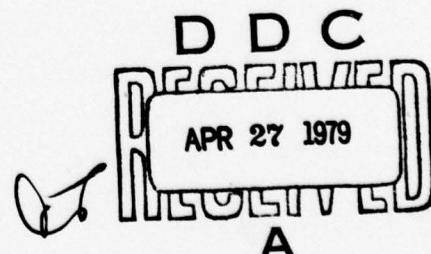
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20. COMMENTS (Continue on reverse side if necessary and identify by block number) This report describes the RENDER calculational procedure that was developed for use in evaluating the spatial- and time-dependent energy deposition in air produced by anisotropic nuclear sources. The RENDER procedure utilizes nuclear energy deposition data generated for conical sources that were originally computed for line-beam sources through use of the ZAP, ZAPN, ZAPGAM and DEPO codes. The energy deposition data for air that are input to RENDER were generated for neutron and gamma-ray sources and for secondary gamma rays re-			

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sulting from neutron capture and inelastic scattering in air. The energy deposition data for line-beam sources and for point isotropic sources were found to compare favorably with similar data reported in the literature. The RENDER procedure was run utilizing energy deposition data from the conical source-data base for a 9-to-10-MeV gamma-ray source and the results of the convolution over source emission direction and time were found to be in good agreement with the input data, indicating that the RENDER procedure performs the time-and-angle convolution correctly.

Volumes II through IV of this report present tabulated data on the time dependent energy deposition in air versus range for neutron and gamma-ray point isotropic sources and for secondary gamma rays generated by point isotropic neutron sources. Also given in Vol. V are curve fit coefficients for use in computing the energy deposition in air versus distance and source emission angle for line beam sources of neutrons and gamma rays. Coefficient data are also given for secondary gamma-ray energy deposition by line beam neutron sources.

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I. INTRODUCTION

This is the second volume of a five-volume report which presents the results of an extensive parameter study on gamma-ray, neutron and neutron-produced secondary gamma ray energy deposition in a homogeneous medium of air ($\rho=1.225 \times 10^{-3} \text{ g/cm}^3$) and describes a computer procedure (RENDER) which was developed to utilize the parametric data when computing the time and spatial distributions of the energy deposition in air for anisotropic nuclear sources.

This volume presents calculated time dependent energy deposition data for point isotropic gamma-ray sources emitting radiation in the source energy intervals listed in Table I. The radial intervals used in storing the energy deposition data are given in Table II. The delay time intervals used to store the energy deposition data are given in Table III. The delay time is the time of energy deposition minus the time of arrival of the uncollided radiation. All source photons were emitted instantaneously by the source. The calculational methods used to compute the energy deposition data are described in Vol. I of this report.

The time dependent energy deposition data in units of $\text{keV m}^{-3} \text{ sec}^{-1}/\text{keV}$ of source energy versus radial distance are given in Tables IV through XV. The numbers at the bottom of each column in these tables is the total time dependent energy deposition ($\text{keV sec}^{-1}/\text{keV}$ of source energy) occurring within 1500 meters from the source. The energy deposition occurring in the $0\text{-to-}10^{-20}$ -second delay-time interval can be taken to be produced by the first-order scattering and absorption interactions undergone by the direct radiation. The gamma-ray energy deposition computed for retarded times greater than 10^{-20} seconds in a given radial interval is that produced by gamma rays that underwent their first-order collision outside of the deposition volume and then underwent second-order or greater collision within the deposition volume.

The time-integrated total energy deposition data versus radial distance and source-energy interval are listed in Table XVI for point-

isotropic gamma-ray sources. The units for the gamma-ray energy deposition data are $\text{keV m}^{-3}/\text{keV}$ of source energy. The energy deposition data given in Table XVI can be converted to air kerma rate (exposure rate in air ($\rho = 1.225 \times 10^{-3} \text{ g/cm}^3$) by multiplying the energy deposition data by $4.708 \times 10^{11} \bar{E}_o$ where \bar{E}_o is the average energy in the source energy interval. The units of the resulting air kerma rate are $\text{rad hr}^{-1}/\text{source photon sec}^{-1}$.

TABLE I. SOURCE ENERGY INTERVAL BOUNDS USED
FOR PRIMARY GAMMA-RAY PROBLEMS

SOURCE ENERGY <u>INTERVALS (MeV)</u>
9.0 - 10.0
8.0 - 9.0
7.0 - 8.0
6.0 - 7.0
5.0 - 6.0
4.0 - 5.0
3.0 - 4.0
2.0 - 3.0
1.0 - 2.0
0.5 - 1.0
0.1 - 0.5
0.01 - 0.1

TABLE II. RADIAL INTERVALS USED IN ENERGY
DEPOSITION CALCULATIONS

Radial Interval (m)
0 - 10
10 - 20
20 - 40
40 - 60
60 - 80
80 - 100
100 - 125
125 - 150
150 - 175
175 - 200
200 - 250
250 - 300
300 - 350
350 - 400
400 - 450
450 - 500
500 - 600
600 - 800
800 - 1000
1000 - 1200
1200 - 1500

TABLE III. BOUNDS OF DEPOSITION TIME INTERVALS

DEPOSITION TIME INTERVAL (μ sec)

$0 - 10^{-14}$
$10^{-14} - 0.02$
$0.02 - 0.05$
$0.05 - 0.07$
$0.07 - 0.10$
$0.10 - 0.15$
$0.15 - 0.20$
$0.20 - 0.30$
$0.30 - 0.50$
$0.50 - 0.70$
$0.70 - 1.00$
$1.00 - 1.50$
$1.50 - 2.00$
$2.00 - 3.00$
$3.00 - 5.00$
$5.00 - 7.00$
$7.00 - 10.00$

TABLE IV. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS
RADIAL DISTANCE FROM A POINT-ISOTROPIC GAMMA-
RAY SOURCE EMITTING UNIFORMLY IN THE ENERGY
INTERVAL FROM 0.01 TO 0.1 MeV

(keV m⁻³ sec⁻¹/keV of source energy)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)			TOTAL ENERGY DEPOSITION/SEC
	0.0E 00	1.00E -20	2.00E -08	
0.0	1.00E -20	2.00E -08	5.00E -08	5.759E 06
0.1	1.00E -20	2.00E -08	7.00E -08	7.11E 06
0.2	1.00E -20	2.00E -08	8.00E -08	7.301E 06
0.3	1.00E -20	2.00E -08	8.70E -08	7.71E 06
0.4	1.00E -20	2.00E -08	9.20E -08	8.01E 06
0.5	1.00E -20	2.00E -08	9.50E -08	8.21E 06
0.6	1.00E -20	2.00E -08	9.60E -08	8.31E 06
0.7	1.00E -20	2.00E -08	9.50E -08	8.31E 06
0.8	1.00E -20	2.00E -08	9.20E -08	8.01E 06
0.9	1.00E -20	2.00E -08	8.70E -08	7.71E 06
1.0	1.00E -20	2.00E -08	8.00E -08	7.301E 06
1.1	1.00E -20	2.00E -08	7.10E -08	6.711E 06
1.2	1.00E -20	2.00E -08	6.00E -08	5.601E 06
1.3	1.00E -20	2.00E -08	4.80E -08	4.481E 06
1.4	1.00E -20	2.00E -08	3.50E -08	3.451E 06
1.5	1.00E -20	2.00E -08	2.10E -08	2.091E 06
1.6	1.00E -20	2.00E -08	9.50E -09	9.451E 06
1.7	1.00E -20	2.00E -08	3.50E -09	3.451E 06
1.8	1.00E -20	2.00E -08	1.00E -09	1.001E 06
1.9	1.00E -20	2.00E -08	2.50E -10	2.501E 06
2.0	1.00E -20	2.00E -08	6.00E -11	6.001E 06
2.1	1.00E -20	2.00E -08	1.50E -11	1.501E 06
2.2	1.00E -20	2.00E -08	3.50E -12	3.501E 06
2.3	1.00E -20	2.00E -08	7.00E -13	7.001E 06
2.4	1.00E -20	2.00E -08	1.40E -13	1.401E 06
2.5	1.00E -20	2.00E -08	2.50E -14	2.501E 06
2.6	1.00E -20	2.00E -08	4.00E -15	4.001E 06
2.7	1.00E -20	2.00E -08	5.50E -16	5.501E 06
2.8	1.00E -20	2.00E -08	6.50E -17	6.501E 06
2.9	1.00E -20	2.00E -08	7.00E -18	7.001E 06
3.0	1.00E -20	2.00E -08	7.00E -19	7.001E 06
3.1	1.00E -20	2.00E -08	6.50E -20	6.501E 06
3.2	1.00E -20	2.00E -08	5.50E -21	5.501E 06
3.3	1.00E -20	2.00E -08	4.00E -22	4.001E 06
3.4	1.00E -20	2.00E -08	2.50E -23	2.501E 06
3.5	1.00E -20	2.00E -08	1.40E -24	1.401E 06
3.6	1.00E -20	2.00E -08	6.00E -26	6.001E 06
3.7	1.00E -20	2.00E -08	2.50E -27	2.501E 06
3.8	1.00E -20	2.00E -08	1.00E -28	1.001E 06
3.9	1.00E -20	2.00E -08	3.50E -29	3.501E 06
4.0	1.00E -20	2.00E -08	1.10E -30	1.101E 06
4.1	1.00E -20	2.00E -08	3.50E -31	3.501E 06
4.2	1.00E -20	2.00E -08	1.00E -32	1.001E 06
4.3	1.00E -20	2.00E -08	3.00E -33	3.001E 06
4.4	1.00E -20	2.00E -08	9.00E -34	9.001E 06
4.5	1.00E -20	2.00E -08	2.50E -35	2.501E 06
4.6	1.00E -20	2.00E -08	7.00E -36	7.001E 06
4.7	1.00E -20	2.00E -08	1.90E -37	1.901E 06
4.8	1.00E -20	2.00E -08	5.00E -38	5.001E 06
4.9	1.00E -20	2.00E -08	1.30E -39	1.301E 06
5.0	1.00E -20	2.00E -08	3.50E -40	3.501E 06
5.1	1.00E -20	2.00E -08	9.00E -41	9.001E 06
5.2	1.00E -20	2.00E -08	2.30E -42	2.301E 06
5.3	1.00E -20	2.00E -08	6.00E -43	6.001E 06
5.4	1.00E -20	2.00E -08	1.50E -44	1.501E 06
5.5	1.00E -20	2.00E -08	3.50E -45	3.501E 06
5.6	1.00E -20	2.00E -08	8.00E -46	8.001E 06
5.7	1.00E -20	2.00E -08	1.90E -47	1.901E 06
5.8	1.00E -20	2.00E -08	4.00E -48	4.001E 06
5.9	1.00E -20	2.00E -08	9.00E -49	9.001E 06
6.0	1.00E -20	2.00E -08	1.90E -50	1.901E 06
6.1	1.00E -20	2.00E -08	4.00E -51	4.001E 06
6.2	1.00E -20	2.00E -08	8.00E -52	8.001E 06
6.3	1.00E -20	2.00E -08	1.60E -53	1.601E 06
6.4	1.00E -20	2.00E -08	3.00E -54	3.001E 06
6.5	1.00E -20	2.00E -08	5.50E -55	5.501E 06
6.6	1.00E -20	2.00E -08	1.00E -56	1.001E 06
6.7	1.00E -20	2.00E -08	1.90E -57	1.901E 06
6.8	1.00E -20	2.00E -08	3.50E -58	3.501E 06
6.9	1.00E -20	2.00E -08	6.00E -59	6.001E 06
7.0	1.00E -20	2.00E -08	1.10E -60	1.101E 06
7.1	1.00E -20	2.00E -08	1.90E -61	1.901E 06
7.2	1.00E -20	2.00E -08	3.50E -62	3.501E 06
7.3	1.00E -20	2.00E -08	6.00E -63	6.001E 06
7.4	1.00E -20	2.00E -08	1.10E -64	1.101E 06
7.5	1.00E -20	2.00E -08	1.90E -65	1.901E 06
7.6	1.00E -20	2.00E -08	3.50E -66	3.501E 06
7.7	1.00E -20	2.00E -08	6.00E -67	6.001E 06
7.8	1.00E -20	2.00E -08	1.10E -68	1.101E 06
7.9	1.00E -20	2.00E -08	1.90E -69	1.901E 06
8.0	1.00E -20	2.00E -08	3.50E -70	3.501E 06
8.1	1.00E -20	2.00E -08	6.00E -71	6.001E 06
8.2	1.00E -20	2.00E -08	1.10E -72	1.101E 06
8.3	1.00E -20	2.00E -08	1.90E -73	1.901E 06
8.4	1.00E -20	2.00E -08	3.50E -74	3.501E 06
8.5	1.00E -20	2.00E -08	6.00E -75	6.001E 06
8.6	1.00E -20	2.00E -08	1.10E -76	1.101E 06
8.7	1.00E -20	2.00E -08	1.90E -77	1.901E 06
8.8	1.00E -20	2.00E -08	3.50E -78	3.501E 06
8.9	1.00E -20	2.00E -08	6.00E -79	6.001E 06
9.0	1.00E -20	2.00E -08	1.10E -80	1.101E 06
9.1	1.00E -20	2.00E -08	1.90E -81	1.901E 06
9.2	1.00E -20	2.00E -08	3.50E -82	3.501E 06
9.3	1.00E -20	2.00E -08	6.00E -83	6.001E 06
9.4	1.00E -20	2.00E -08	1.10E -84	1.101E 06
9.5	1.00E -20	2.00E -08	1.90E -85	1.901E 06
9.6	1.00E -20	2.00E -08	3.50E -86	3.501E 06
9.7	1.00E -20	2.00E -08	6.00E -87	6.001E 06
9.8	1.00E -20	2.00E -08	1.10E -88	1.101E 06
9.9	1.00E -20	2.00E -08	1.90E -89	1.901E 06
10.0	1.00E -20	2.00E -08	3.50E -90	3.501E 06
10.1	1.00E -20	2.00E -08	6.00E -91	6.001E 06
10.2	1.00E -20	2.00E -08	1.10E -92	1.101E 06
10.3	1.00E -20	2.00E -08	1.90E -93	1.901E 06
10.4	1.00E -20	2.00E -08	3.50E -94	3.501E 06
10.5	1.00E -20	2.00E -08	6.00E -95	6.001E 06
10.6	1.00E -20	2.00E -08	1.10E -96	1.101E 06
10.7	1.00E -20	2.00E -08	1.90E -97	1.901E 06
10.8	1.00E -20	2.00E -08	3.50E -98	3.501E 06
10.9	1.00E -20	2.00E -08	6.00E -99	6.001E 06
11.0	1.00E -20	2.00E -08	1.10E -100	1.101E 06
11.1	1.00E -20	2.00E -08	1.90E -101	1.901E 06
11.2	1.00E -20	2.00E -08	3.50E -102	3.501E 06
11.3	1.00E -20	2.00E -08	6.00E -103	6.001E 06
11.4	1.00E -20	2.00E -08	1.10E -104	1.101E 06
11.5	1.00E -20	2.00E -08	1.90E -105	1.901E 06
11.6	1.00E -20	2.00E -08	3.50E -106	3.501E 06
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13.5	1.00E -20	2.00E -08	1.90E -125	1.901E 06
13.6	1.00E -20	2.00E -08	3.50E -126	3.501E 06
13.7	1.00E -20	2.00E -08	6.00E -127	6.001E 06
13.8	1.00E -20	2.00E -08	1.10E -128	1.101E 06
13.9	1.00E -20	2.00E -08	1.90E -129	1.901E 06
14.0	1.00E -20	2.00E -08	3.50E -130	3.501E 06
14.1	1.00E -20	2.00E -08	6.00E -131	6.001E 06
14.2	1.00E -20	2.00E -08	1.10E -132	1.101E 06
14.3	1.00E -20	2.00E -08	1.90E -133	1.901E 06
14.4	1.00E -20	2.00E -08	3.50E -134	3.501E 06
14.5	1.00E -20	2.00E -08	6.00E -135	6.001E 06
14.6	1.00E -20	2.00E -08	1.10E -136	1.101E 06
14.7	1.00E -20	2.00E -08	1.90E -137	1.901E 06
14.8	1.00E -20	2.00E -08	3.50E -138	3.501E 06
14.9	1.00E -20	2.00E -08	6.00E -139	6.001E 06
15.0	1.00E -20	2.00E -08	1.10E -140	1.101E 06
15.1	1.00E -20	2.00E -08	1.90E -141	1.901E 06
15.2	1.00E -20	2.00E -08	3.50E -142	3.501E 06
15.3	1.00E -20	2.00E -08	6.00E -143	6.001E 06
15.4	1.00E -20	2.00E -08	1.10E -144	1.101E 06
15.5	1.00E -20	2.00E -08	1.90E -145	1.901E 06
15.6	1.00E -20	2.00E -08	3.50E -146	3.501E 06
15.7	1.00E -20	2.00E -08	6.00E -147	6.001E 06
15.8	1.00E -20	2.00E -08	1.10E -148	1.101E 06
15.9	1.00E -20	2.00E -08	1.90E -149	1.901E 06
16.0	1.00E -20	2.00E -08	3.50E -150	3.501E 06
16.1	1.00E -20	2.00E -08	6.00E -151	6.001E 06
16.2	1.00E -20	2.00E -08	1.10E -152	1.101E 06
16.3	1.00E -20	2.00E -08	1.90E -153	

TABLE IV. (Continued)
 $(keV m^{-3} sec^{-1}/keV$ of source energy)

TABLE IV. (Continued)
 $(\text{keV m}^{-3} \text{ sec}^{-1}/\text{keV}$ of source energy)

RADIAL DISTANCE INTERVAL (METERS)	TIME (SEC)				ENERGY DEPOSITION/SEC
	0.00E+00	3.00E-06	5.00E-06	7.00E-06	
1.50E-06	2.00E-06	3.00E-06	5.00E-06	7.00E-06	1.326E-01
1.20E-06	2.00E-06	3.00E-06	5.00E-06	7.00E-06	8.657E-02
1.00E-06	2.00E-06	3.00E-06	5.00E-06	7.00E-06	1.03E-04
8.00E-07	2.00E-06	3.00E-06	5.00E-06	7.00E-06	1.12E-04
6.00E-07	2.00E-06	3.00E-06	5.00E-06	7.00E-06	1.12E-04
4.00E-07	2.00E-06	3.00E-06	5.00E-06	7.00E-06	1.12E-04
2.00E-07	2.00E-06	3.00E-06	5.00E-06	7.00E-06	1.12E-04
1.00E-07	2.00E-06	3.00E-06	5.00E-06	7.00E-06	1.12E-04
0.00E+00	2.00E-06	3.00E-06	5.00E-06	7.00E-06	1.12E-04

TABLE V. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS.
RADIAL DISTANCE FROM A POINT-ISOTROPIC GAMMA-
RAY SOURCE EMITTING UNIFORMLY IN THE ENERGY
INTERVAL FROM 0.1 TO 0.5 MeV

TABLE V. (Continued)

(keV m⁻³ sec⁻¹/keV of source energy)10¹⁰ TO 150 MEV GAMMAS10¹⁰ DELAY TIME (SEC)

RADIAL DISTANCE INTERVAL (METERS)	1.50E-07	2.00E-07	3.00E-07	5.00E-07	7.00E-07	1.00E-06	1.50E-06
0	2.00E-07	3.00E-07	5.00E-07	7.00E-07	1.00E-06	1.50E-06	1.0
10.0	4.10E-01	2.092E-01	4.134E-02	6.205E-02	7.555E-03	3.44E-03	0.2
20.0	1.20E+00	0.605E+00	0.302E+00	0.151E+00	0.752E-00	0.372E-00	0.1
30.0	3.60E+00	1.80E+00	0.90E+00	0.45E+00	0.225E+00	0.112E+00	0.5
40.0	1.08E+01	5.40E+00	2.70E+00	1.35E+00	0.675E+00	0.337E+00	1.4
50.0	3.24E+01	1.60E+01	8.00E+00	4.00E+00	2.00E+00	1.00E+00	4.9E-05
60.0	9.72E+01	3.00E+01	1.50E+01	7.50E+00	3.75E+00	1.875E+00	1.49E-05
70.0	3.07E+02	9.00E+01	4.50E+01	2.25E+01	1.125E+01	5.625E+00	1.49E-05
80.0	9.21E+02	2.700E+02	1.350E+02	6.750E+01	3.375E+01	1.7875E+01	1.49E-05
90.0	2.763E+03	8.200E+02	4.100E+02	2.050E+02	9.250E+01	4.625E+01	1.49E-05
100.0	8.289E+03	2.460E+03	1.030E+03	5.150E+02	1.775E+02	8.875E+01	1.49E-05
110.0	2.486E+04	7.390E+03	3.070E+03	1.535E+03	4.605E+02	2.3025E+02	1.49E-05
120.0	7.460E+04	2.217E+04	8.453E+03	4.217E+03	1.265E+03	6.3275E+02	1.49E-05
130.0	2.238E+05	6.657E+04	2.546E+04	1.053E+04	3.165E+03	1.5825E+03	1.49E-05
140.0	6.714E+05	2.007E+05	6.671E+04	2.667E+04	8.000E+03	4.000E+03	1.49E-05
150.0	2.014E+06	6.014E+05	1.994E+05	7.974E+04	2.493E+04	1.2465E+04	1.49E-05
160.0	6.042E+06	1.812E+06	5.942E+05	2.3812E+05	7.123E+04	3.5615E+04	1.49E-05
170.0	1.812E+07	5.437E+06	1.774E+06	6.574E+05	2.1174E+05	1.0587E+05	1.49E-05
180.0	5.437E+07	1.631E+07	5.223E+06	2.0623E+06	6.1813E+05	3.0906E+05	1.49E-05
190.0	1.631E+08	4.893E+07	1.764E+07	6.2164E+06	1.80813E+06	9.0406E+05	1.49E-05
200.0	5.093E+08	1.627E+08	5.223E+07	2.0623E+07	6.1813E+06	2.71613E+06	1.49E-05
210.0	1.627E+09	5.087E+08	1.764E+08	6.2164E+07	1.80813E+07	8.02413E+06	1.49E-05
220.0	5.087E+09	1.622E+09	5.223E+08	2.0623E+08	6.1813E+07	2.71613E+07	1.49E-05
230.0	1.622E+10	5.067E+09	1.764E+09	6.2164E+08	1.80813E+08	8.02413E+07	1.49E-05
240.0	5.067E+10	1.607E+10	5.223E+09	2.0623E+09	6.1813E+08	2.71613E+08	1.49E-05
250.0	1.607E+11	5.022E+10	1.764E+10	6.2164E+09	1.80813E+09	8.02413E+08	1.49E-05
260.0	5.022E+11	1.534E+11	5.223E+10	2.0623E+10	6.1813E+09	2.71613E+09	1.49E-05
270.0	1.534E+12	4.779E+11	1.764E+11	6.2164E+10	1.80813E+10	8.02413E+09	1.49E-05
280.0	4.779E+12	1.523E+12	5.223E+11	2.0623E+11	6.1813E+10	2.71613E+10	1.49E-05
290.0	1.523E+13	4.749E+12	1.764E+12	6.2164E+11	1.80813E+11	8.02413E+10	1.49E-05
300.0	4.749E+13	1.500E+13	5.223E+12	2.0623E+12	6.1813E+11	2.71613E+11	1.49E-05
310.0	1.500E+14	4.736E+13	1.764E+13	6.2164E+12	1.80813E+12	8.02413E+11	1.49E-05
320.0	4.736E+14	1.467E+14	5.223E+13	2.0623E+13	6.1813E+12	2.71613E+12	1.49E-05
330.0	1.467E+15	4.491E+14	1.764E+14	6.2164E+13	1.80813E+13	8.02413E+12	1.49E-05
340.0	4.491E+15	1.400E+15	5.223E+14	2.0623E+14	6.1813E+13	2.71613E+13	1.49E-05
350.0	1.400E+16	3.999E+15	1.764E+15	6.2164E+14	1.80813E+14	8.02413E+13	1.49E-05
360.0	3.999E+16	1.200E+16	5.223E+15	2.0623E+15	6.1813E+14	2.71613E+14	1.49E-05
370.0	1.200E+17	3.600E+16	1.764E+16	6.2164E+15	1.80813E+15	8.02413E+14	1.49E-05
380.0	3.600E+17	1.000E+17	5.223E+16	2.0623E+16	6.1813E+15	2.71613E+15	1.49E-05
390.0	1.000E+18	2.667E+17	1.764E+17	6.2164E+16	1.80813E+16	8.02413E+15	1.49E-05
400.0	2.667E+18	7.000E+17	5.223E+17	2.0623E+17	6.1813E+16	2.71613E+16	1.49E-05
410.0	7.000E+18	1.764E+18	1.764E+18	6.2164E+17	1.80813E+17	8.02413E+16	1.49E-05
420.0	1.764E+19	4.000E+18	5.223E+18	2.0623E+18	6.1813E+17	2.71613E+17	1.49E-05
430.0	4.000E+19	9.999E+18	1.764E+19	6.2164E+18	1.80813E+18	8.02413E+17	1.49E-05
440.0	9.999E+19	2.333E+19	5.223E+19	2.0623E+19	6.1813E+18	2.71613E+18	1.49E-05
450.0	2.333E+20	5.000E+19	1.764E+20	6.2164E+19	1.80813E+19	8.02413E+18	1.49E-05
460.0	5.000E+20	1.250E+20	5.223E+20	2.0623E+20	6.1813E+19	2.71613E+19	1.49E-05
470.0	1.250E+21	3.125E+20	1.764E+21	6.2164E+20	1.80813E+20	8.02413E+19	1.49E-05
480.0	3.125E+21	8.000E+20	5.223E+21	2.0623E+21	6.1813E+20	2.71613E+20	1.49E-05
490.0	8.000E+21	2.000E+21	1.764E+22	6.2164E+21	1.80813E+21	8.02413E+20	1.49E-05
500.0	2.000E+22	5.000E+21	5.223E+22	2.0623E+22	6.1813E+21	2.71613E+21	1.49E-05
510.0	5.000E+22	1.250E+22	1.764E+23	6.2164E+22	1.80813E+22	8.02413E+21	1.49E-05
520.0	1.250E+23	3.125E+22	5.223E+23	2.0623E+23	6.1813E+22	2.71613E+22	1.49E-05
530.0	3.125E+23	8.000E+22	1.764E+24	6.2164E+23	1.80813E+23	8.02413E+22	1.49E-05
540.0	8.000E+23	2.000E+23	5.223E+24	2.0623E+24	6.1813E+23	2.71613E+23	1.49E-05
550.0	2.000E+24	5.000E+23	1.764E+25	6.2164E+24	1.80813E+24	8.02413E+23	1.49E-05
560.0	5.000E+24	1.250E+24	5.223E+25	2.0623E+25	6.1813E+24	2.71613E+24	1.49E-05
570.0	1.250E+25	3.125E+24	1.764E+26	6.2164E+25	1.80813E+25	8.02413E+24	1.49E-05
580.0	3.125E+25	8.000E+24	5.223E+26	2.0623E+26	6.1813E+25	2.71613E+25	1.49E-05
590.0	8.000E+25	2.000E+25	1.764E+27	6.2164E+26	1.80813E+26	8.02413E+25	1.49E-05
600.0	2.000E+26	5.000E+25	5.223E+27	2.0623E+27	6.1813E+26	2.71613E+26	1.49E-05
610.0	5.000E+26	1.250E+26	1.764E+28	6.2164E+27	1.80813E+27	8.02413E+26	1.49E-05
620.0	1.250E+27	3.125E+26	5.223E+28	2.0623E+28	6.1813E+27	2.71613E+27	1.49E-05
630.0	3.125E+27	8.000E+26	1.764E+29	6.2164E+28	1.80813E+28	8.02413E+27	1.49E-05
640.0	8.000E+27	2.000E+27	5.223E+29	2.0623E+29	6.1813E+28	2.71613E+28	1.49E-05
650.0	2.000E+28	5.000E+27	1.764E+30	6.2164E+29	1.80813E+29	8.02413E+28	1.49E-05
660.0	5.000E+28	1.250E+28	5.223E+30	2.0623E+30	6.1813E+29	2.71613E+29	1.49E-05
670.0	1.250E+29	3.125E+28	1.764E+31	6.2164E+30	1.80813E+30	8.02413E+29	1.49E-05
680.0	3.125E+29	8.000E+28	5.223E+31	2.0623E+31	6.1813E+30	2.71613E+30	1.49E-05
690.0	8.000E+29	2.000E+29	1.764E+32	6.2164E+31	1.80813E+31	8.02413E+30	1.49E-05
700.0	2.000E+30	5.000E+29	5.223E+32	2.0623E+32	6.1813E+31	2.71613E+31	1.49E-05
710.0	5.000E+30	1.250E+30	1.764E+33	6.2164E+32	1.80813E+32	8.02413E+31	1.49E-05
720.0	1.250E+31	3.125E+30	5.223E+33	2.0623E+33	6.1813E+32	2.71613E+32	1.49E-05
730.0	3.125E+31	8.000E+30	1.764E+34	6.2164E+33	1.80813E+33	8.02413E+32	1.49E-05
740.0	8.000E+31	2.000E+31	5.223E+34	2.0623E+34	6.1813E+33	2.71613E+33	1.49E-05
750.0	2.000E+32	5.000E+31	1.764E+35	6.2164E+34	1.80813E+34	8.02413E+33	1.49E-05
760.0	5.000E+32	1.250E+32	5.223E+35	2.0623E+35	6.1813E+34	2.71613E+34	1.49E-05
770.0	1.250E+33	3.125E+32	1.764E+36	6.2164E+35	1.80813E+35	8.02413E+34	1.49E-05
780.0	3.125E+33	8.000E+32	5.223E+36	2.0623E+36	6.1813E+35	2.71613E+35	1.49E-05
790.0	8.000E+33	2.000E+33	1.764E+37	6.2164E+36	1.80813E+36	8.02413E+35	1.49E-05
800.0	2.000E+34	5.000E+33	5.223E+37	2.0623E+37	6.1813E+36	2.71613E+36	1.49E-05
810.0	5.000E+34	1.250E+34	1.764E+38	6.2164E+37	1.80813E+37	8.02413E+36	1.49E-05
820.0	1.250E+35	3.125E+34	5.223E+38	2.0623E+38	6.1813E+37	2.71613E+37	1.49E-05
830.0	3.125E+35	8.000E+34	1.764E+39	6.2164E+38	1.80813E+38	8.02413E+37	1.49E-05
840.0	8.000E+35	2.000E+35	5.223E+39	2.0623E+39	6.1813E+38	2.71613E+38	1.49E-05
850.0	2.000E+36	5.000E+35	1.764E+40	6.2164E+39	1.80813E+39	8.02413E+38	1.49E-05
860.0	5.000E+36	1.250E+36	5.223E+40	2.0623E+40	6.1813E+39	2.71613E+39	1.49E-05
870.0	1.250E+37	3.125E+36	1.764E+41	6.2164E+40	1.80813E+40	8.02413E+39	1.49E-05
880.0	3.125E+37	8.000E+36	5.223E+41	2.0623E+41	6.1813E+40	2.71613E+40	1.49E-05
890.0	8.000E+37	2.000E+37	1.764E+42	6.2164E+41	1.80813E+41	8.02413E+40	1.49E-05
900.0	2.000E+38	5.000E+37	5.223E+42	2.0623E+42	6.1813E+41	2.71613E+41	1.49E-05
910.0	5.000E+38	1.250E+38	1.764E+43	6.2164E+42	1.80813E+42	8.02413E+41	1.49E-05
920.0	1.250E+39	3.125E+38	5.223E+43	2.0623E+43	6.1813E+42	2.71613E+42	1.49E-05
930.0	3.125E+39	8.000E+38	1.764E+44	6.2164E+43	1.80813E+43	8.02413E+42	1.49E-05
940.0	8.000E+39	2.000E+39	5.223E+44	2.06			

TABLE V. (Continued)
 $(\text{keV m}^{-3} \text{sec}^{-1}/\text{keV}$ of source Energy)

RADIAL DISTANCE INTERVAL (METERS)	.10 TO .50 MEV GAMMAS			TOTAL ENERGY DEPOSITION/SEC
	.10 DELAY TIME (SEC)	.50 DELAY TIME (SEC)	7.00E-06	
1.50E-06	2.00E-06	3.00E-06	5.00E-06	6.904E 04
2.00E-06	3.00E-06	5.00E-06	7.00E-06	1.881E 04
3.00E-06	5.00E-06	7.00E-06	1.00E-05	9.954E 02
4.00E-06	6.00E-06	8.00E-06	1.515E 00	.000E 00
5.00E-06	7.00E-06	1.00E-06		
6.00E-06	8.00E-06	1.20E-06		
7.00E-06	9.00E-06	1.40E-06		
8.00E-06	1.00E-05	1.60E-06		
9.00E-06	1.10E-05	1.80E-06		
1.00E-05	1.20E-05	2.00E-06		
1.10E-05	1.30E-05	2.20E-06		
1.20E-05	1.40E-05	2.40E-06		
1.30E-05	1.50E-05	2.60E-06		
1.40E-05	1.60E-05	2.80E-06		
1.50E-05	1.70E-05	3.00E-06		
1.60E-05	1.80E-05	3.20E-06		
1.70E-05	1.90E-05	3.40E-06		
1.80E-05	2.00E-05	3.60E-06		
1.90E-05	2.10E-05	3.80E-06		
2.00E-05	2.20E-05	4.00E-06		
2.10E-05	2.30E-05	4.20E-06		
2.20E-05	2.40E-05	4.40E-06		
2.30E-05	2.50E-05	4.60E-06		
2.40E-05	2.60E-05	4.80E-06		
2.50E-05	2.70E-05	5.00E-06		
2.60E-05	2.80E-05	5.20E-06		
2.70E-05	2.90E-05	5.40E-06		
2.80E-05	3.00E-05	5.60E-06		
2.90E-05	3.10E-05	5.80E-06		
3.00E-05	3.20E-05	6.00E-06		
3.10E-05	3.30E-05	6.20E-06		
3.20E-05	3.40E-05	6.40E-06		
3.30E-05	3.50E-05	6.60E-06		
3.40E-05	3.60E-05	6.80E-06		
3.50E-05	3.70E-05	7.00E-06		
3.60E-05	3.80E-05	7.20E-06		
3.70E-05	3.90E-05	7.40E-06		
3.80E-05	4.00E-05	7.60E-06		
3.90E-05	4.10E-05	7.80E-06		
4.00E-05	4.20E-05	8.00E-06		
4.10E-05	4.30E-05	8.20E-06		
4.20E-05	4.40E-05	8.40E-06		
4.30E-05	4.50E-05	8.60E-06		
4.40E-05	4.60E-05	8.80E-06		
4.50E-05	4.70E-05	9.00E-06		
4.60E-05	4.80E-05	9.20E-06		
4.70E-05	4.90E-05	9.40E-06		
4.80E-05	5.00E-05	9.60E-06		
4.90E-05	5.10E-05	9.80E-06		
5.00E-05	5.20E-05	1.00E-05		
5.10E-05	5.30E-05	1.02E-05		
5.20E-05	5.40E-05	1.04E-05		
5.30E-05	5.50E-05	1.06E-05		
5.40E-05	5.60E-05	1.08E-05		
5.50E-05	5.70E-05	1.10E-05		
5.60E-05	5.80E-05	1.12E-05		
5.70E-05	5.90E-05	1.14E-05		
5.80E-05	6.00E-05	1.16E-05		
5.90E-05	6.10E-05	1.18E-05		
6.00E-05	6.20E-05	1.20E-05		
6.10E-05	6.30E-05	1.22E-05		
6.20E-05	6.40E-05	1.24E-05		
6.30E-05	6.50E-05	1.26E-05		
6.40E-05	6.60E-05	1.28E-05		
6.50E-05	6.70E-05	1.30E-05		
6.60E-05	6.80E-05	1.32E-05		
6.70E-05	6.90E-05	1.34E-05		
6.80E-05	7.00E-05	1.36E-05		
6.90E-05	7.10E-05	1.38E-05		
7.00E-05	7.20E-05	1.40E-05		
7.10E-05	7.30E-05	1.42E-05		
7.20E-05	7.40E-05	1.44E-05		
7.30E-05	7.50E-05	1.46E-05		
7.40E-05	7.60E-05	1.48E-05		
7.50E-05	7.70E-05	1.50E-05		
7.60E-05	7.80E-05	1.52E-05		
7.70E-05	7.90E-05	1.54E-05		
7.80E-05	8.00E-05	1.56E-05		
7.90E-05	8.10E-05	1.58E-05		
8.00E-05	8.20E-05	1.60E-05		
8.10E-05	8.30E-05	1.62E-05		
8.20E-05	8.40E-05	1.64E-05		
8.30E-05	8.50E-05	1.66E-05		
8.40E-05	8.60E-05	1.68E-05		
8.50E-05	8.70E-05	1.70E-05		
8.60E-05	8.80E-05	1.72E-05		
8.70E-05	8.90E-05	1.74E-05		
8.80E-05	9.00E-05	1.76E-05		
8.90E-05	9.10E-05	1.78E-05		
9.00E-05	9.20E-05	1.80E-05		
9.10E-05	9.30E-05	1.82E-05		
9.20E-05	9.40E-05	1.84E-05		
9.30E-05	9.50E-05	1.86E-05		
9.40E-05	9.60E-05	1.88E-05		
9.50E-05	9.70E-05	1.90E-05		
9.60E-05	9.80E-05	1.92E-05		
9.70E-05	9.90E-05	1.94E-05		
9.80E-05	1.00E-04	1.96E-05		
9.90E-05	1.01E-04	1.98E-05		
1.00E-04	1.02E-04	2.00E-05		

TABLE VI. : TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS
 RADIAL DISTANCE FROM A POINT-ISOTROPIC GAMMA-
 RAY SOURCE EMITTING UNIFORMLY IN THE ENERGY
 INTERVAL FROM 0.5 to 1.0 MeV

(keV m⁻³ sec⁻¹/keV of source energy)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)				TOTAL ENERGY DEPOSITION/SEC
	0.0E 00	1.00E-20	2.00E-08	5.00E-08	
0.2	0.0E 00	1.00E-20	2.00E-08	5.00E-08	1.00E-07
0.4	1.00E-01	2.00E-08	5.00E-08	1.00E-07	1.50E-07
0.6	2.00E-01	4.00E-08	1.00E-07	2.00E-07	3.00E-07
0.8	3.00E-01	6.00E-08	1.50E-07	3.00E-07	4.50E-07
1.0	4.00E-01	8.00E-08	2.00E-07	4.00E-07	6.00E-07
1.2	5.00E-01	1.00E-07	2.50E-07	5.00E-07	8.00E-07
1.4	6.00E-01	1.20E-07	3.00E-07	6.00E-07	1.00E-06
1.6	7.00E-01	1.40E-07	3.50E-07	7.00E-07	1.20E-06
1.8	8.00E-01	1.60E-07	4.00E-07	8.00E-07	1.40E-06
2.0	9.00E-01	1.80E-07	4.50E-07	9.00E-07	1.60E-06
2.2	1.00E+00	2.00E-07	5.00E-07	1.00E-06	1.80E-06
2.4	1.10E+00	2.20E-07	5.50E-07	1.10E-06	2.00E-06
2.6	1.20E+00	2.40E-07	6.00E-07	1.20E-06	2.20E-06
2.8	1.30E+00	2.60E-07	6.50E-07	1.30E-06	2.40E-06
3.0	1.40E+00	2.80E-07	7.00E-07	1.40E-06	2.60E-06
3.2	1.50E+00	3.00E-07	7.50E-07	1.50E-06	2.80E-06
3.4	1.60E+00	3.20E-07	8.00E-07	1.60E-06	3.00E-06
3.6	1.70E+00	3.40E-07	8.50E-07	1.70E-06	3.20E-06
3.8	1.80E+00	3.60E-07	9.00E-07	1.80E-06	3.40E-06
4.0	1.90E+00	3.80E-07	9.50E-07	1.90E-06	3.60E-06
4.2	2.00E+00	4.00E-07	1.00E-06	2.00E-06	3.80E-06
4.4	2.10E+00	4.20E-07	1.05E-06	2.10E-06	4.00E-06
4.6	2.20E+00	4.40E-07	1.10E-06	2.20E-06	4.20E-06
4.8	2.30E+00	4.60E-07	1.15E-06	2.30E-06	4.40E-06
5.0	2.40E+00	4.80E-07	1.20E-06	2.40E-06	4.60E-06
5.2	2.50E+00	5.00E-07	1.25E-06	2.50E-06	4.80E-06
5.4	2.60E+00	5.20E-07	1.30E-06	2.60E-06	5.00E-06
5.6	2.70E+00	5.40E-07	1.35E-06	2.70E-06	5.20E-06
5.8	2.80E+00	5.60E-07	1.40E-06	2.80E-06	5.40E-06
6.0	2.90E+00	5.80E-07	1.45E-06	2.90E-06	5.60E-06
6.2	3.00E+00	6.00E-07	1.50E-06	3.00E-06	5.80E-06
6.4	3.10E+00	6.20E-07	1.55E-06	3.10E-06	6.00E-06
6.6	3.20E+00	6.40E-07	1.60E-06	3.20E-06	6.20E-06
6.8	3.30E+00	6.60E-07	1.65E-06	3.30E-06	6.40E-06
7.0	3.40E+00	6.80E-07	1.70E-06	3.40E-06	6.60E-06
7.2	3.50E+00	7.00E-07	1.75E-06	3.50E-06	6.80E-06
7.4	3.60E+00	7.20E-07	1.80E-06	3.60E-06	7.00E-06
7.6	3.70E+00	7.40E-07	1.85E-06	3.70E-06	7.20E-06
7.8	3.80E+00	7.60E-07	1.90E-06	3.80E-06	7.40E-06
8.0	3.90E+00	7.80E-07	1.95E-06	3.90E-06	7.60E-06
8.2	4.00E+00	8.00E-07	2.00E-06	4.00E-06	7.80E-06
8.4	4.10E+00	8.20E-07	2.05E-06	4.10E-06	8.00E-06
8.6	4.20E+00	8.40E-07	2.10E-06	4.20E-06	8.20E-06
8.8	4.30E+00	8.60E-07	2.15E-06	4.30E-06	8.40E-06
9.0	4.40E+00	8.80E-07	2.20E-06	4.40E-06	8.60E-06
9.2	4.50E+00	9.00E-07	2.25E-06	4.50E-06	8.80E-06
9.4	4.60E+00	9.20E-07	2.30E-06	4.60E-06	9.00E-06
9.6	4.70E+00	9.40E-07	2.35E-06	4.70E-06	9.20E-06
9.8	4.80E+00	9.60E-07	2.40E-06	4.80E-06	9.40E-06
10.0	4.90E+00	9.80E-07	2.45E-06	4.90E-06	9.60E-06
10.2	5.00E+00	1.00E-06	2.50E-06	5.00E-06	9.80E-06
10.4	5.10E+00	1.02E-06	2.55E-06	5.10E-06	1.00E-05
10.6	5.20E+00	1.04E-06	2.60E-06	5.20E-06	1.02E-05
10.8	5.30E+00	1.06E-06	2.65E-06	5.30E-06	1.04E-05
11.0	5.40E+00	1.08E-06	2.70E-06	5.40E-06	1.06E-05
11.2	5.50E+00	1.10E-06	2.75E-06	5.50E-06	1.08E-05
11.4	5.60E+00	1.12E-06	2.80E-06	5.60E-06	1.10E-05
11.6	5.70E+00	1.14E-06	2.85E-06	5.70E-06	1.12E-05
11.8	5.80E+00	1.16E-06	2.90E-06	5.80E-06	1.14E-05
12.0	5.90E+00	1.18E-06	2.95E-06	5.90E-06	1.16E-05
12.2	6.00E+00	1.20E-06	3.00E-06	6.00E-06	1.18E-05
12.4	6.10E+00	1.22E-06	3.05E-06	6.10E-06	1.20E-05
12.6	6.20E+00	1.24E-06	3.10E-06	6.20E-06	1.22E-05
12.8	6.30E+00	1.26E-06	3.15E-06	6.30E-06	1.24E-05
13.0	6.40E+00	1.28E-06	3.20E-06	6.40E-06	1.26E-05
13.2	6.50E+00	1.30E-06	3.25E-06	6.50E-06	1.28E-05
13.4	6.60E+00	1.32E-06	3.30E-06	6.60E-06	1.30E-05
13.6	6.70E+00	1.34E-06	3.35E-06	6.70E-06	1.32E-05
13.8	6.80E+00	1.36E-06	3.40E-06	6.80E-06	1.34E-05
14.0	6.90E+00	1.38E-06	3.45E-06	6.90E-06	1.36E-05
14.2	7.00E+00	1.40E-06	3.50E-06	7.00E-06	1.38E-05
14.4	7.10E+00	1.42E-06	3.55E-06	7.10E-06	1.40E-05
14.6	7.20E+00	1.44E-06	3.60E-06	7.20E-06	1.42E-05
14.8	7.30E+00	1.46E-06	3.65E-06	7.30E-06	1.44E-05
15.0	7.40E+00	1.48E-06	3.70E-06	7.40E-06	1.46E-05
15.2	7.50E+00	1.50E-06	3.75E-06	7.50E-06	1.48E-05
15.4	7.60E+00	1.52E-06	3.80E-06	7.60E-06	1.50E-05
15.6	7.70E+00	1.54E-06	3.85E-06	7.70E-06	1.52E-05
15.8	7.80E+00	1.56E-06	3.90E-06	7.80E-06	1.54E-05
16.0	7.90E+00	1.58E-06	3.95E-06	7.90E-06	1.56E-05
16.2	8.00E+00	1.60E-06	4.00E-06	8.00E-06	1.58E-05
16.4	8.10E+00	1.62E-06	4.05E-06	8.10E-06	1.60E-05
16.6	8.20E+00	1.64E-06	4.10E-06	8.20E-06	1.62E-05
16.8	8.30E+00	1.66E-06	4.15E-06	8.30E-06	1.64E-05
17.0	8.40E+00	1.68E-06	4.20E-06	8.40E-06	1.66E-05
17.2	8.50E+00	1.70E-06	4.25E-06	8.50E-06	1.68E-05
17.4	8.60E+00	1.72E-06	4.30E-06	8.60E-06	1.70E-05
17.6	8.70E+00	1.74E-06	4.35E-06	8.70E-06	1.72E-05
17.8	8.80E+00	1.76E-06	4.40E-06	8.80E-06	1.74E-05
18.0	8.90E+00	1.78E-06	4.45E-06	8.90E-06	1.76E-05
18.2	9.00E+00	1.80E-06	4.50E-06	9.00E-06	1.78E-05
18.4	9.10E+00	1.82E-06	4.55E-06	9.10E-06	1.80E-05
18.6	9.20E+00	1.84E-06	4.60E-06	9.20E-06	1.82E-05
18.8	9.30E+00	1.86E-06	4.65E-06	9.30E-06	1.84E-05
19.0	9.40E+00	1.88E-06	4.70E-06	9.40E-06	1.86E-05
19.2	9.50E+00	1.90E-06	4.75E-06	9.50E-06	1.88E-05
19.4	9.60E+00	1.92E-06	4.80E-06	9.60E-06	1.90E-05
19.6	9.70E+00	1.94E-06	4.85E-06	9.70E-06	1.92E-05
19.8	9.80E+00	1.96E-06	4.90E-06	9.80E-06	1.94E-05
20.0	9.90E+00	1.98E-06	4.95E-06	9.90E-06	1.96E-05
20.2	1.00E+01	2.00E-06	5.00E-06	1.00E-05	1.98E-05

TABLE VI. (Continued)
 (keV m⁻³ sec⁻¹/keV of source energy)

RADIAL DISTANCE INTERVAL (METERS)	.50 TO 1.00 MEV GAMMAS			TOTAL ENERGY DEPOSITION/SEC
	TIME (SEC)	DELAY	TIME (SEC)	
1.50E-07	2.00E-07	3.00E-07	5.00E-07	5.00E-07
2.00E-07	3.00E-07	5.00E-07	7.00E-07	7.00E-07
2.50E-07	4.00E-07	6.00E-07	1.00E-06	1.00E-06
3.00E-07	5.00E-07	7.00E-07	1.00E-06	1.00E-06
3.50E-07	6.00E-07	8.00E-07	1.00E-06	1.00E-06
4.00E-07	7.00E-07	9.00E-07	1.00E-06	1.00E-06
4.50E-07	8.00E-07	1.00E-06	1.00E-06	1.00E-06
5.00E-07	9.00E-07	1.10E-06	1.00E-06	1.00E-06
5.50E-07	1.00E-06	1.20E-06	1.00E-06	1.00E-06
6.00E-07	1.10E-06	1.30E-06	1.00E-06	1.00E-06
6.50E-07	1.20E-06	1.40E-06	1.00E-06	1.00E-06
7.00E-07	1.30E-06	1.50E-06	1.00E-06	1.00E-06
7.50E-07	1.40E-06	1.60E-06	1.00E-06	1.00E-06
8.00E-07	1.50E-06	1.70E-06	1.00E-06	1.00E-06
8.50E-07	1.60E-06	1.80E-06	1.00E-06	1.00E-06
9.00E-07	1.70E-06	1.90E-06	1.00E-06	1.00E-06
9.50E-07	1.80E-06	2.00E-06	1.00E-06	1.00E-06
1.00E-06	1.90E-06	2.10E-06	1.00E-06	1.00E-06
1.10E-06	2.00E-06	2.20E-06	1.00E-06	1.00E-06
1.20E-06	2.10E-06	2.30E-06	1.00E-06	1.00E-06
1.30E-06	2.20E-06	2.40E-06	1.00E-06	1.00E-06
1.40E-06	2.30E-06	2.50E-06	1.00E-06	1.00E-06
1.50E-06	2.40E-06	2.60E-06	1.00E-06	1.00E-06
1.60E-06	2.50E-06	2.70E-06	1.00E-06	1.00E-06
1.70E-06	2.60E-06	2.80E-06	1.00E-06	1.00E-06
1.80E-06	2.70E-06	2.90E-06	1.00E-06	1.00E-06
1.90E-06	2.80E-06	3.00E-06	1.00E-06	1.00E-06
2.00E-06	2.90E-06	3.10E-06	1.00E-06	1.00E-06
2.10E-06	3.00E-06	3.20E-06	1.00E-06	1.00E-06
2.20E-06	3.10E-06	3.30E-06	1.00E-06	1.00E-06
2.30E-06	3.20E-06	3.40E-06	1.00E-06	1.00E-06
2.40E-06	3.30E-06	3.50E-06	1.00E-06	1.00E-06
2.50E-06	3.40E-06	3.60E-06	1.00E-06	1.00E-06
2.60E-06	3.50E-06	3.70E-06	1.00E-06	1.00E-06
2.70E-06	3.60E-06	3.80E-06	1.00E-06	1.00E-06
2.80E-06	3.70E-06	3.90E-06	1.00E-06	1.00E-06
2.90E-06	3.80E-06	4.00E-06	1.00E-06	1.00E-06
3.00E-06	3.90E-06	4.10E-06	1.00E-06	1.00E-06
3.10E-06	4.00E-06	4.20E-06	1.00E-06	1.00E-06
3.20E-06	4.10E-06	4.30E-06	1.00E-06	1.00E-06
3.30E-06	4.20E-06	4.40E-06	1.00E-06	1.00E-06
3.40E-06	4.30E-06	4.50E-06	1.00E-06	1.00E-06
3.50E-06	4.40E-06	4.60E-06	1.00E-06	1.00E-06
3.60E-06	4.50E-06	4.70E-06	1.00E-06	1.00E-06
3.70E-06	4.60E-06	4.80E-06	1.00E-06	1.00E-06
3.80E-06	4.70E-06	4.90E-06	1.00E-06	1.00E-06
3.90E-06	4.80E-06	5.00E-06	1.00E-06	1.00E-06
4.00E-06	4.90E-06	5.10E-06	1.00E-06	1.00E-06
4.10E-06	5.00E-06	5.20E-06	1.00E-06	1.00E-06
4.20E-06	5.10E-06	5.30E-06	1.00E-06	1.00E-06
4.30E-06	5.20E-06	5.40E-06	1.00E-06	1.00E-06
4.40E-06	5.30E-06	5.50E-06	1.00E-06	1.00E-06
4.50E-06	5.40E-06	5.60E-06	1.00E-06	1.00E-06
4.60E-06	5.50E-06	5.70E-06	1.00E-06	1.00E-06
4.70E-06	5.60E-06	5.80E-06	1.00E-06	1.00E-06
4.80E-06	5.70E-06	5.90E-06	1.00E-06	1.00E-06
4.90E-06	5.80E-06	6.00E-06	1.00E-06	1.00E-06
5.00E-06	5.90E-06	6.10E-06	1.00E-06	1.00E-06
5.10E-06	6.00E-06	6.20E-06	1.00E-06	1.00E-06
5.20E-06	6.10E-06	6.30E-06	1.00E-06	1.00E-06
5.30E-06	6.20E-06	6.40E-06	1.00E-06	1.00E-06
5.40E-06	6.30E-06	6.50E-06	1.00E-06	1.00E-06
5.50E-06	6.40E-06	6.60E-06	1.00E-06	1.00E-06
5.60E-06	6.50E-06	6.70E-06	1.00E-06	1.00E-06
5.70E-06	6.60E-06	6.80E-06	1.00E-06	1.00E-06
5.80E-06	6.70E-06	6.90E-06	1.00E-06	1.00E-06
5.90E-06	6.80E-06	7.00E-06	1.00E-06	1.00E-06
6.00E-06	6.90E-06	7.10E-06	1.00E-06	1.00E-06
6.10E-06	7.00E-06	7.20E-06	1.00E-06	1.00E-06
6.20E-06	7.10E-06	7.30E-06	1.00E-06	1.00E-06
6.30E-06	7.20E-06	7.40E-06	1.00E-06	1.00E-06
6.40E-06	7.30E-06	7.50E-06	1.00E-06	1.00E-06
6.50E-06	7.40E-06	7.60E-06	1.00E-06	1.00E-06
6.60E-06	7.50E-06	7.70E-06	1.00E-06	1.00E-06
6.70E-06	7.60E-06	7.80E-06	1.00E-06	1.00E-06
6.80E-06	7.70E-06	7.90E-06	1.00E-06	1.00E-06
6.90E-06	7.80E-06	8.00E-06	1.00E-06	1.00E-06
7.00E-06	7.90E-06	8.10E-06	1.00E-06	1.00E-06
7.10E-06	8.00E-06	8.20E-06	1.00E-06	1.00E-06
7.20E-06	8.10E-06	8.30E-06	1.00E-06	1.00E-06
7.30E-06	8.20E-06	8.40E-06	1.00E-06	1.00E-06
7.40E-06	8.30E-06	8.50E-06	1.00E-06	1.00E-06
7.50E-06	8.40E-06	8.60E-06	1.00E-06	1.00E-06
7.60E-06	8.50E-06	8.70E-06	1.00E-06	1.00E-06
7.70E-06	8.60E-06	8.80E-06	1.00E-06	1.00E-06
7.80E-06	8.70E-06	8.90E-06	1.00E-06	1.00E-06
7.90E-06	8.80E-06	9.00E-06	1.00E-06	1.00E-06
8.00E-06	8.90E-06	9.10E-06	1.00E-06	1.00E-06
8.10E-06	9.00E-06	9.20E-06	1.00E-06	1.00E-06
8.20E-06	9.10E-06	9.30E-06	1.00E-06	1.00E-06
8.30E-06	9.20E-06	9.40E-06	1.00E-06	1.00E-06
8.40E-06	9.30E-06	9.50E-06	1.00E-06	1.00E-06
8.50E-06	9.40E-06	9.60E-06	1.00E-06	1.00E-06
8.60E-06	9.50E-06	9.70E-06	1.00E-06	1.00E-06
8.70E-06	9.60E-06	9.80E-06	1.00E-06	1.00E-06
8.80E-06	9.70E-06	9.90E-06	1.00E-06	1.00E-06
8.90E-06	9.80E-06	1.00E-05	1.00E-06	1.00E-06
9.00E-06	9.90E-06	1.01E-05	1.00E-06	1.00E-06
9.10E-06	1.00E-06	1.02E-05	1.00E-06	1.00E-06
9.20E-06	1.01E-06	1.03E-05	1.00E-06	1.00E-06
9.30E-06	1.02E-06	1.04E-05	1.00E-06	1.00E-06
9.40E-06	1.03E-06	1.05E-05	1.00E-06	1.00E-06
9.50E-06	1.04E-06	1.06E-05	1.00E-06	1.00E-06
9.60E-06	1.05E-06	1.07E-05	1.00E-06	1.00E-06
9.70E-06	1.06E-06	1.08E-05	1.00E-06	1.00E-06
9.80E-06	1.07E-06	1.09E-05	1.00E-06	1.00E-06
9.90E-06	1.08E-06	1.10E-05	1.00E-06	1.00E-06
1.00E-06	1.09E-06	1.11E-05	1.00E-06	1.00E-06
1.10E-06	1.11E-06	1.13E-05	1.00E-06	1.00E-06
1.20E-06	1.13E-06	1.15E-05	1.00E-06	1.00E-06
1.30E-06	1.15E-06	1.17E-05	1.00E-06	1.00E-06
1.40E-06	1.17E-06	1.19E-05	1.00E-06	1.00E-06
1.50E-06	1.19E-06	1.21E-05	1.00E-06	1.00E-06
1.60E-06	1.21E-06	1.23E-05	1.00E-06	1.00E-06
1.70E-06	1.23E-06	1.25E-05	1.00E-06	1.00E-06
1.80E-06	1.25E-06	1.27E-05	1.00E-06	1.00E-06
1.90E-06	1.27E-06	1.29E-05	1.00E-06	1.00E-06
2.00E-06	1.29E-06	1.31E-05	1.00E-06	1.00E-06
2.10E-06	1.31E-06	1.33E-05	1.00E-06	1.00E-06
2.20E-06	1.33E-06	1.35E-05	1.00E-06	1.00E-06
2.30E-06	1.35E-06	1.37E-05	1.00E-06	1.00E-06
2.40E-06	1.37E-06	1.39E-05	1.00E-06	1.00E-06
2.50E-06	1.39E-06	1.41E-05	1.00E-06	1.00E-06
2.60E-06	1.41E-06	1.43E-05	1.00E-06	1.00E-06
2.70E-06	1.43E-06	1.45E-05	1.00E-06	1.00E-06
2.80E-06	1.45E-06	1.47E-05	1.00E-06	1.00E-06
2.90E-06	1.47E-06	1.49E-05	1.00E-06	1.00E-06
3.00E-06	1.49E-06	1.51E-05	1.00E-06	1.00E-06
3.10E-06	1.51E-06	1.53E-05	1.00E-06	1.00E-06
3.20E-06	1.53E-06	1.55E-05	1.00E-06	1.00E-06
3.30E-06	1.55E-06	1.57E-05	1.00E-06	1.00E-06
3.40E-06	1.57E-06	1.59E-05	1.00E-06	1.00E-06
3.50E-06	1.59E-06	1.61E-05	1.00E-06	1.00E-06
3.60E-06	1.61E-06	1.63E-05	1.00E-06	1.00E-06
3.70E-06	1.63E-06	1.65E-05	1.00E-06	1.00E-06
3.80E-06	1.65E-06	1.67E-05	1.00E-06	1.00E-06
3.90E-06	1.67E-06	1.69E-05	1.00E-06	1.00E-06
4.00E-06	1.69E-06	1.71E-05	1.00E-06	1.00E-06
4.10E-06	1.71E-06	1.73E-05	1.00E-06	1.00E-06
4.20E-06	1.73E-06	1.75E-05	1.00E-06	1.00E-06
4.30E-06	1.75E-06	1.77E-05	1.00E-06	1.00E-06
4.40E-06	1.77E-06	1.79E-05	1.00E-06	1.00E-06
4.50E-06	1.79E-06	1.81E-05	1.00E-06	1.00E-06
4.60E-06	1.81E-06	1.83E-05	1.00E-06	1.00E-06
4.70E-06	1.83E-06	1.85E-05	1.00E-06	1.00E-06
4.80E-06	1.85E-06	1.87E-05	1.00E-06	1.00E-06
4.90E-06	1.87E-06	1.89E-05	1.00E-06	1.00E-06
5.00E-06	1.89E-06	1.91E-05	1.00E-06	1.00E-06
5.10E-06	1.91E-06	1.93E-05	1.00E-06	1.00E-06
5.20E-06	1.93E-06	1.95E-05	1.00E-06	1.00E-06
5.30E-06	1.95E-06	1.97E-05	1.00E-06	1.00E-06
5.40E-06	1.97E-06	1.99E-05	1.00E-06	1.00E-06
5.50E-06	1.99E-06	2.01E-05	1.00E-06	1.00E-06
5.60E-06	2.01E-06	2.03E-05	1.00E-06	1.00E-06
5.70E-06	2.03E-06	2.05E-05	1.00E-06	1.00E-06
5.80E-06	2.05E-06	2.07E-05	1.00E-06	1.00E-06
5.90E-06	2.07E-06	2.09E-05	1.00E-06	1.00E-06
6.00E-06				

TABLE VI. (Continued)

RADIAL DISTANCE INTERVAL (METERS)		TIME (SEC)		MEV GAMMAS		(keV m ⁻³ sec ⁻¹ /keV of source energy)	
1.50E-06 - 2.00E-06		3.00E-06 - 5.00E-06		7.00E-06 - 1.00E-05			
10.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
20.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
40.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
80.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
160.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
320.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
640.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
1280.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
2560.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
5120.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
10240.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
20480.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
40960.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
81920.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
163840.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
327680.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
655360.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
1310720.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
2621440.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
5242880.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
10485760.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
20971520.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
41943040.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
83886080.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
167772160.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
335544320.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
671088640.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
1342177280.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
2684354560.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
5368709120.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
10737418240.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
21474836480.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
42949672960.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
85899345920.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
171798691840.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
343597383680.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
687194767360.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
1374389534720.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
2748778569440.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
5497557138880.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
10995114277760.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
21990228555520.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
43980457111040.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
87960914222080.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
175921828444160.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
351843656888320.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
703687313776640.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
1407374627553280.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
2814749255106560.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
5629498510213120.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
1125897020426240.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
2251794040852480.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
4503588081704960.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
9007176163409920.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
18014332326819840.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
36028664653639680.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
72057329307279360.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
14411465861458720.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
28822931722917440.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
57645863445834880.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
11529172687669760.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
23058345375339520.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
46116690750679040.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
92233381501358080.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
184466730026776160.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
368933460053552320.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
737866920107104640.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
147573384021409280.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
295146768042818560.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
590293536085637120.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
1180587072171274240.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
2361174144342548480.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
4722348288685096960.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
9444696577370193920.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
18889393154740387840.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
37778786309480755680.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
75557572618961511360.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
15111514537932722720.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
30223029075865445440.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
60446058151730890880.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
12089211630346171760.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
24178423260692343520.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
48356846521384687040.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
96713693042769374080.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
193427386085538748160.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
386854772171077496320.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
773709544342154992640.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
154741908868308998520.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
309483817736617997040.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
618967635473235994080.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
123793527094467998160.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
247587054188935996320.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
495174108377871992640.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
990348216755743991280.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
1980696433511487982560.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
3961392867022975965120.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
7922785734045951930240.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
1584557546809190386040.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
3169115093618380772080.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
6338230187236761544160.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
1267646037447352308320.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
2535292074894674616640.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
5070584149789349233280.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
1014116829957689446560.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
2028233659915378893120.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
4056467319830757786240.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
8112934639661515572480.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
1622586938932303114960.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
3245173877864606229920.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
6490347755729212459840.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
12980695111458424919680.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
25961389222911689839360.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
51922778445823379678720.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
10385556889646675937440.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
20771113779293351874880.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
41542227558586703749760.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
83084455117173407499520.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
16616890223434681499040.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
33233780446869362998080.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
66467560893738725996160.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
13293512187547545992320.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
26587024375095091984640.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
53174048750190183969280.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
106348095003803677938560.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.69E-03
212696000007607355877120.	0.	8.	520E-04	4.	1.07E-04	7.42E-04	1.

TABLE VII. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS
RADIAL DISTANCE FROM A POINT-ISOTROPIC GAMMA-
RAY SOURCE EMITTING UNIFORMLY IN THE ENERGY
INTERVAL FROM 1.0 TO 2.0 MeV

TABLE VII. (Continued)

RADIAL DISTANCE INTERVAL (METERS)		1.00 TO 2.00 MEV GAMMAS		(keV m ⁻³ sec ⁻¹ /keV of source energy)	
1.00	2.00	1.00	2.00	1.00	2.00
1.50E-07	2.00E-07	3.00E-07	5.00E-07	5.00E-07	7.00E-07
1.20E-07	3.00E-07	5.00E-07	7.00E-07	7.00E-07	1.00E-06
1.00E-07	3.00E-07	5.00E-07	7.00E-07	7.00E-07	1.50E-06
8.00E-08	2.00E-07	3.00E-07	5.00E-07	5.00E-07	1.00E-06
6.00E-08	1.50E-07	2.00E-07	3.00E-07	3.00E-07	8.00E-07
4.00E-08	1.00E-07	1.50E-07	2.00E-07	2.00E-07	6.00E-07
2.00E-08	6.00E-08	8.00E-08	1.00E-07	1.00E-07	4.00E-07
1.00E-08	4.00E-08	5.00E-08	6.00E-08	6.00E-08	2.00E-07
5.00E-09	2.00E-08	3.00E-08	4.00E-08	4.00E-08	1.00E-07
3.00E-09	1.00E-08	1.50E-08	2.00E-08	2.00E-08	6.00E-08
2.00E-09	6.00E-09	8.00E-09	1.00E-08	1.00E-08	4.00E-08
1.00E-09	4.00E-09	5.00E-09	6.00E-09	6.00E-09	2.00E-08
5.00E-10	2.00E-09	3.00E-09	4.00E-09	4.00E-09	1.00E-08
3.00E-10	1.00E-09	1.50E-09	2.00E-09	2.00E-09	6.00E-09
2.00E-10	6.00E-10	8.00E-10	1.00E-09	1.00E-09	4.00E-09
1.00E-10	4.00E-10	5.00E-10	6.00E-10	6.00E-10	2.00E-09
5.00E-11	2.00E-10	3.00E-10	4.00E-10	4.00E-10	1.00E-09
3.00E-11	1.00E-10	1.50E-10	2.00E-10	2.00E-10	6.00E-10
2.00E-11	6.00E-11	8.00E-11	1.00E-10	1.00E-10	4.00E-10
1.00E-11	4.00E-11	5.00E-11	6.00E-11	6.00E-11	2.00E-10
5.00E-12	2.00E-11	3.00E-11	4.00E-11	4.00E-11	1.00E-10
3.00E-12	1.00E-11	1.50E-11	2.00E-11	2.00E-11	6.00E-11
2.00E-12	6.00E-12	8.00E-12	1.00E-11	1.00E-11	4.00E-11
1.00E-12	4.00E-12	5.00E-12	6.00E-12	6.00E-12	2.00E-11
5.00E-13	2.00E-12	3.00E-12	4.00E-12	4.00E-12	1.00E-11
3.00E-13	1.00E-12	1.50E-12	2.00E-12	2.00E-12	6.00E-12
2.00E-13	6.00E-13	8.00E-13	1.00E-12	1.00E-12	4.00E-12
1.00E-13	4.00E-13	5.00E-13	6.00E-13	6.00E-13	2.00E-12
5.00E-14	2.00E-13	3.00E-13	4.00E-13	4.00E-13	1.00E-12
3.00E-14	1.00E-13	1.50E-13	2.00E-13	2.00E-13	6.00E-13
2.00E-14	6.00E-14	8.00E-14	1.00E-13	1.00E-13	4.00E-13
1.00E-14	4.00E-14	5.00E-14	6.00E-14	6.00E-14	2.00E-13
5.00E-15	2.00E-14	3.00E-14	4.00E-14	4.00E-14	1.00E-13
3.00E-15	1.00E-14	1.50E-14	2.00E-14	2.00E-14	6.00E-14
2.00E-15	6.00E-15	8.00E-15	1.00E-14	1.00E-14	4.00E-14
1.00E-15	4.00E-15	5.00E-15	6.00E-15	6.00E-15	2.00E-14
5.00E-16	2.00E-15	3.00E-15	4.00E-15	4.00E-15	1.00E-14
3.00E-16	1.00E-15	1.50E-15	2.00E-15	2.00E-15	6.00E-15
2.00E-16	6.00E-16	8.00E-16	1.00E-15	1.00E-15	4.00E-15
1.00E-16	4.00E-16	5.00E-16	6.00E-16	6.00E-16	2.00E-15
5.00E-17	2.00E-16	3.00E-16	4.00E-16	4.00E-16	1.00E-15
3.00E-17	1.00E-16	1.50E-16	2.00E-16	2.00E-16	6.00E-16
2.00E-17	6.00E-17	8.00E-17	1.00E-16	1.00E-16	4.00E-16
1.00E-17	4.00E-17	5.00E-17	6.00E-17	6.00E-17	2.00E-16
5.00E-18	2.00E-17	3.00E-17	4.00E-17	4.00E-17	1.00E-16
3.00E-18	1.00E-17	1.50E-17	2.00E-17	2.00E-17	6.00E-17
2.00E-18	6.00E-18	8.00E-18	1.00E-17	1.00E-17	4.00E-17
1.00E-18	4.00E-18	5.00E-18	6.00E-18	6.00E-18	2.00E-17
5.00E-19	2.00E-18	3.00E-18	4.00E-18	4.00E-18	1.00E-17
3.00E-19	1.00E-18	1.50E-18	2.00E-18	2.00E-18	6.00E-18
2.00E-19	6.00E-19	8.00E-19	1.00E-18	1.00E-18	4.00E-18
1.00E-19	4.00E-19	5.00E-19	6.00E-19	6.00E-19	2.00E-18
5.00E-20	2.00E-19	3.00E-19	4.00E-19	4.00E-19	1.00E-18
3.00E-20	1.00E-19	1.50E-19	2.00E-19	2.00E-19	6.00E-19
2.00E-20	6.00E-20	8.00E-20	1.00E-19	1.00E-19	4.00E-19
1.00E-20	4.00E-20	5.00E-20	6.00E-20	6.00E-20	2.00E-19
5.00E-21	2.00E-20	3.00E-20	4.00E-20	4.00E-20	1.00E-19
3.00E-21	1.00E-20	1.50E-20	2.00E-20	2.00E-20	6.00E-20
2.00E-21	6.00E-21	8.00E-21	1.00E-20	1.00E-20	4.00E-20
1.00E-21	4.00E-21	5.00E-21	6.00E-21	6.00E-21	2.00E-20
5.00E-22	2.00E-21	3.00E-21	4.00E-21	4.00E-21	1.00E-20
3.00E-22	1.00E-21	1.50E-21	2.00E-21	2.00E-21	6.00E-21
2.00E-22	6.00E-22	8.00E-22	1.00E-21	1.00E-21	4.00E-21
1.00E-22	4.00E-22	5.00E-22	6.00E-22	6.00E-22	2.00E-21
5.00E-23	2.00E-22	3.00E-22	4.00E-22	4.00E-22	1.00E-21
3.00E-23	1.00E-22	1.50E-22	2.00E-22	2.00E-22	6.00E-22
2.00E-23	6.00E-23	8.00E-23	1.00E-22	1.00E-22	4.00E-22
1.00E-23	4.00E-23	5.00E-23	6.00E-23	6.00E-23	2.00E-22
5.00E-24	2.00E-23	3.00E-23	4.00E-23	4.00E-23	1.00E-22
3.00E-24	1.00E-23	1.50E-23	2.00E-23	2.00E-23	6.00E-23
2.00E-24	6.00E-24	8.00E-24	1.00E-23	1.00E-23	4.00E-23
1.00E-24	4.00E-24	5.00E-24	6.00E-24	6.00E-24	2.00E-23
5.00E-25	2.00E-24	3.00E-24	4.00E-24	4.00E-24	1.00E-23
3.00E-25	1.00E-24	1.50E-24	2.00E-24	2.00E-24	6.00E-24
2.00E-25	6.00E-25	8.00E-25	1.00E-24	1.00E-24	4.00E-24
1.00E-25	4.00E-25	5.00E-25	6.00E-25	6.00E-25	2.00E-24
5.00E-26	2.00E-25	3.00E-25	4.00E-25	4.00E-25	1.00E-24
3.00E-26	1.00E-25	1.50E-25	2.00E-25	2.00E-25	6.00E-25
2.00E-26	6.00E-26	8.00E-26	1.00E-25	1.00E-25	4.00E-25
1.00E-26	4.00E-26	5.00E-26	6.00E-26	6.00E-26	2.00E-25
5.00E-27	2.00E-26	3.00E-26	4.00E-26	4.00E-26	1.00E-25
3.00E-27	1.00E-26	1.50E-26	2.00E-26	2.00E-26	6.00E-26
2.00E-27	6.00E-27	8.00E-27	1.00E-26	1.00E-26	4.00E-26
1.00E-27	4.00E-27	5.00E-27	6.00E-27	6.00E-27	2.00E-26
5.00E-28	2.00E-27	3.00E-27	4.00E-27	4.00E-27	1.00E-26
3.00E-28	1.00E-27	1.50E-27	2.00E-27	2.00E-27	6.00E-27
2.00E-28	6.00E-28	8.00E-28	1.00E-27	1.00E-27	4.00E-27
1.00E-28	4.00E-28	5.00E-28	6.00E-28	6.00E-28	2.00E-27
5.00E-29	2.00E-28	3.00E-28	4.00E-28	4.00E-28	1.00E-27
3.00E-29	1.00E-28	1.50E-28	2.00E-28	2.00E-28	6.00E-28
2.00E-29	6.00E-29	8.00E-29	1.00E-28	1.00E-28	4.00E-28
1.00E-29	4.00E-29	5.00E-29	6.00E-29	6.00E-29	2.00E-28
5.00E-30	2.00E-29	3.00E-29	4.00E-29	4.00E-29	1.00E-28
3.00E-30	1.00E-29	1.50E-29	2.00E-29	2.00E-29	6.00E-29
2.00E-30	6.00E-30	8.00E-30	1.00E-29	1.00E-29	4.00E-29
1.00E-30	4.00E-30	5.00E-30	6.00E-30	6.00E-30	2.00E-29
5.00E-31	2.00E-30	3.00E-30	4.00E-30	4.00E-30	1.00E-29
3.00E-31	1.00E-30	1.50E-30	2.00E-30	2.00E-30	6.00E-30
2.00E-31	6.00E-31	8.00E-31	1.00E-30	1.00E-30	4.00E-30
1.00E-31	4.00E-31	5.00E-31	6.00E-31	6.00E-31	2.00E-30
5.00E-32	2.00E-31	3.00E-31	4.00E-31	4.00E-31	1.00E-29
3.00E-32	1.00E-31	1.50E-31	2.00E-31	2.00E-31	6.00E-31
2.00E-32	6.00E-32	8.00E-32	1.00E-31	1.00E-31	4.00E-31
1.00E-32	4.00E-32	5.00E-32	6.00E-32	6.00E-32	2.00E-31
5.00E-33	2.00E-32	3.00E-32	4.00E-32	4.00E-32	1.00E-29
3.00E-33	1.00E-32	1.50E-32	2.00E-32	2.00E-32	6.00E-32
2.00E-33	6.00E-33	8.00E-33	1.00E-32	1.00E-32	4.00E-32
1.00E-33	4.00E-33	5.00E-33	6.00E-33	6.00E-33	2.00E-32
5.00E-34	2.00E-33	3.00E-33	4.00E-33	4.00E-33	1.00E-29
3.00E-34	1.00E-33	1.50E-33	2.00E-33	2.00E-33	6.00E-33
2.00E-34	6.00E-34	8.00E-34	1.00E-33	1.00E-33	4.00E-33
1.00E-34	4.00E-34	5.00E-34	6.00E-34	6.00E-34	2.00E-33
5.00E-35	2.00E-34	3.00E-34	4.00E-34	4.00E-34	1.00E-29
3.00E-35	1.00E-34	1.50E-34	2.00E-34	2.00E-34	6.00E-34
2.00E-35	6.00E-35	8.00E-35	1.00E-34	1.00E-34	4.00E-34
1.00E-35	4.00E-35	5.00E-35	6.00E-35	6.00E-35	2.00E-34
5.00E-36	2.00E-35	3.00E-35	4.00E-35	4.00E-35	1.00E-29
3.00E-36	1.00E-35	1.50E-35	2.00E-35	2.00E-35	6.00E-35
2.00E-36	6.00E-36	8.00E-36	1.00E-35	1.00E-35	4.00E-35
1.00E-36	4.00E-36	5.00E-36	6.00E-36	6.00E-36	2.00E-35
5.00E-37	2.00E-36	3.00E-36	4.00E-36	4.00E-36	1.00E-29
3.00E-37	1.00E-36	1.50E-36	2.00E-36	2.00E-36	6.00E-36
2.00E-37	6.00E-37	8.00E-37	1.00E-36	1.00E-36	4.00E-36
1.00E-37	4.00E-37	5.00E-37	6.00E-37	6.00E-37	2.00E-36
5.00E-38	2.00E-37	3.00E-37	4.00E-37	4.00E-37	1.00E-29
3.00E-38	1.00E-37	1.50E-37	2.00E-37	2.00E-37	6.00E-37
2.00E-38	6.00E-38	8.00E-38	1.00E-37	1.00E-37	4.00E-37
1.00E-38	4.00E-38	5.00E-38	6.00E-38	6.00E-38	2.00E-37
5.00E-39	2.00E-38	3.00E-38	4.00E-38	4.00E-38	1.00E-29
3.00E-39	1.00E-38	1.50E-38	2.00E-38	2.00E-38	6.00E-38
2.00E-39	6.00E-39	8.00E-39	1.00E-38	1.00E-38	4.00E-38
1.00E-39	4.00E-39	5.00E-39	6.00E-39	6.00E-39	2.00E-38
5.00E-40	2.00E-39	3.00E-39	4.00E-39	4.00E-39	1.00E-29
3.00E-40	1.00E-39	1.50E-39	2.00E-39	2.00E-39	6.00E-39
2.00E-40	6.00E-40	8.00E-40	1.00E-39	1.00E-39	4.00E-39
1.00E-40	4.00E-40	5.00E-40	6.00E-40	6.00E-40	2.00E-39
5.00E-41	2.00E-40	3.00E-40	4.00E-40	4.00E-40	1.00E-29
3.00E-41	1.00E-40	1.50E-40	2.00E-40	2.00E-40	6.00E-40
2.00E-41	6.00E-41	8.00E-41	1.00E-40	1.00E-40	4.00E-40
1.00E-41	4.00E-41	5.00E-41	6.00E-41	6.00E-41	2.00E-40
5.00E-42	2.00E-41	3.00E-41	4.00E-41	4.00E-41	1.00E-29
3.00E-42	1.00E-41	1.50E-41	2.00E-41	2.00E-41	6.00E-41
2.00E-42	6.00E-42	8.00E-42	1.00E-41	1.00E-41	4.00E-41
1.00E-42	4.00E-42	5.00E-42	6.00E-42	6.00E-42	2.00E-41
5.00E-43	2.00E-42	3.00E-42			

TABLE VII. (Continued)

TABLE VIII. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS
RADIAL DISTANCE FROM A POINT ISOTROPIC GAMMA-
RAY SOURCE EMITTING UNIFORMLY IN THE ENERGY
INTERVAL FROM 2.0 TO 3.0 MeV

(keV m⁻³ sec⁻¹/keV of source energy)

TABLE VIII. (Continued)
 $(\text{keV m}^{-3} \text{ sec}^{-1}) / (\text{keV of source energy})$

TABLE VIII. (Continued)
 (keV m⁻³ sec⁻¹/keV of source energy).

RADIAL DISTANCE (METERS)	2.00 TO 3.00 MEV GAMMAS		
	DELAY	TIME (SEC)	
1.50E-06	2.00E-06	3.00E-06	5.00E-06
1.20E-06	2.30E-06	3.50E-06	5.70E-06
1.00E-06	2.70E-06	4.00E-06	7.00E-06
8.00E-07	3.20E-06	4.80E-06	7.01E-06
6.00E-07	3.70E-06	5.50E-06	
4.00E-07	4.20E-06	6.30E-06	
2.00E-07	4.70E-06	7.60E-06	
1.00E-07	5.20E-06	9.00E-06	
5.00E-08	5.70E-06	1.00E-05	
2.50E-08	6.20E-06	1.20E-05	
1.00E-08	6.70E-06	1.40E-05	
4.00E-09	7.20E-06	1.60E-05	
1.00E-09	7.70E-06	1.80E-05	
2.00E-10	8.20E-06	2.00E-05	
4.00E-11	8.70E-06	2.20E-05	
1.00E-11	9.20E-06	2.40E-05	
2.00E-12	9.70E-06	2.60E-05	
4.00E-13	1.02E-05	2.80E-05	
1.00E-13	1.07E-05	3.00E-05	
2.00E-14	1.12E-05	3.20E-05	
4.00E-15	1.17E-05	3.40E-05	
1.00E-15	1.22E-05	3.60E-05	
2.00E-16	1.27E-05	3.80E-05	
4.00E-17	1.32E-05	4.00E-05	
1.00E-17	1.37E-05	4.20E-05	
2.00E-18	1.42E-05	4.40E-05	
4.00E-19	1.47E-05	4.60E-05	
1.00E-19	1.52E-05	4.80E-05	
2.00E-20	1.57E-05	5.00E-05	
4.00E-21	1.62E-05	5.20E-05	
1.00E-21	1.67E-05	5.40E-05	
2.00E-22	1.72E-05	5.60E-05	
4.00E-23	1.77E-05	5.80E-05	
1.00E-23	1.82E-05	6.00E-05	
2.00E-24	1.87E-05	6.20E-05	
4.00E-25	1.92E-05	6.40E-05	
1.00E-25	1.97E-05	6.60E-05	
2.00E-26	2.02E-05	6.80E-05	
4.00E-27	2.07E-05	7.00E-05	
1.00E-27	2.12E-05	7.20E-05	
2.00E-28	2.17E-05	7.40E-05	
4.00E-29	2.22E-05	7.60E-05	
1.00E-29	2.27E-05	7.80E-05	
2.00E-30	2.32E-05	8.00E-05	
4.00E-31	2.37E-05	8.20E-05	
1.00E-31	2.42E-05	8.40E-05	
2.00E-32	2.47E-05	8.60E-05	
4.00E-33	2.52E-05	8.80E-05	
1.00E-33	2.57E-05	9.00E-05	
2.00E-34	2.62E-05	9.20E-05	
4.00E-35	2.67E-05	9.40E-05	
1.00E-35	2.72E-05	9.60E-05	
2.00E-36	2.77E-05	9.80E-05	
4.00E-37	2.82E-05	1.00E-04	
1.00E-37	2.87E-05	1.02E-04	
2.00E-38	2.92E-05	1.04E-04	
4.00E-39	2.97E-05	1.06E-04	
1.00E-39	3.02E-05	1.08E-04	
2.00E-40	3.07E-05	1.10E-04	
4.00E-41	3.12E-05	1.12E-04	
1.00E-41	3.17E-05	1.14E-04	
2.00E-42	3.22E-05	1.16E-04	
4.00E-43	3.27E-05	1.18E-04	
1.00E-43	3.32E-05	1.20E-04	
2.00E-44	3.37E-05	1.22E-04	
4.00E-45	3.42E-05	1.24E-04	
1.00E-45	3.47E-05	1.26E-04	
2.00E-46	3.52E-05	1.28E-04	
4.00E-47	3.57E-05	1.30E-04	
1.00E-47	3.62E-05	1.32E-04	
2.00E-48	3.67E-05	1.34E-04	
4.00E-49	3.72E-05	1.36E-04	
1.00E-49	3.77E-05	1.38E-04	
2.00E-50	3.82E-05	1.40E-04	
4.00E-51	3.87E-05	1.42E-04	
1.00E-51	3.92E-05	1.44E-04	
2.00E-52	3.97E-05	1.46E-04	
4.00E-53	4.02E-05	1.48E-04	
1.00E-53	4.07E-05	1.50E-04	
2.00E-54	4.12E-05	1.52E-04	
4.00E-55	4.17E-05	1.54E-04	
1.00E-55	4.22E-05	1.56E-04	
2.00E-56	4.27E-05	1.58E-04	
4.00E-57	4.32E-05	1.60E-04	
1.00E-57	4.37E-05	1.62E-04	
2.00E-58	4.42E-05	1.64E-04	
4.00E-59	4.47E-05	1.66E-04	
1.00E-59	4.52E-05	1.68E-04	
2.00E-60	4.57E-05	1.70E-04	
4.00E-61	4.62E-05	1.72E-04	
1.00E-61	4.67E-05	1.74E-04	
2.00E-62	4.72E-05	1.76E-04	
4.00E-63	4.77E-05	1.78E-04	
1.00E-63	4.82E-05	1.80E-04	
2.00E-64	4.87E-05	1.82E-04	
4.00E-65	4.92E-05	1.84E-04	
1.00E-65	4.97E-05	1.86E-04	
2.00E-66	5.02E-05	1.88E-04	
4.00E-67	5.07E-05	1.90E-04	
1.00E-67	5.12E-05	1.92E-04	
2.00E-68	5.17E-05	1.94E-04	
4.00E-69	5.22E-05	1.96E-04	
1.00E-69	5.27E-05	1.98E-04	
2.00E-70	5.32E-05	2.00E-04	
4.00E-71	5.37E-05	2.02E-04	
1.00E-71	5.42E-05	2.04E-04	
2.00E-72	5.47E-05	2.06E-04	
4.00E-73	5.52E-05	2.08E-04	
1.00E-73	5.57E-05	2.10E-04	
2.00E-74	5.62E-05	2.12E-04	
4.00E-75	5.67E-05	2.14E-04	
1.00E-75	5.72E-05	2.16E-04	
2.00E-76	5.77E-05	2.18E-04	
4.00E-77	5.82E-05	2.20E-04	
1.00E-77	5.87E-05	2.22E-04	
2.00E-78	5.92E-05	2.24E-04	
4.00E-79	5.97E-05	2.26E-04	
1.00E-79	6.02E-05	2.28E-04	
2.00E-80	6.07E-05	2.30E-04	
4.00E-81	6.12E-05	2.32E-04	
1.00E-81	6.17E-05	2.34E-04	
2.00E-82	6.22E-05	2.36E-04	
4.00E-83	6.27E-05	2.38E-04	
1.00E-83	6.32E-05	2.40E-04	
2.00E-84	6.37E-05	2.42E-04	
4.00E-85	6.42E-05	2.44E-04	
1.00E-85	6.47E-05	2.46E-04	
2.00E-86	6.52E-05	2.48E-04	
4.00E-87	6.57E-05	2.50E-04	
1.00E-87	6.62E-05	2.52E-04	
2.00E-88	6.67E-05	2.54E-04	
4.00E-89	6.72E-05	2.56E-04	
1.00E-89	6.77E-05	2.58E-04	
2.00E-90	6.82E-05	2.60E-04	
4.00E-91	6.87E-05	2.62E-04	
1.00E-91	6.92E-05	2.64E-04	
2.00E-92	6.97E-05	2.66E-04	
4.00E-93	7.02E-05	2.68E-04	
1.00E-93	7.07E-05	2.70E-04	
2.00E-94	7.12E-05	2.72E-04	
4.00E-95	7.17E-05	2.74E-04	
1.00E-95	7.22E-05	2.76E-04	
2.00E-96	7.27E-05	2.78E-04	
4.00E-97	7.32E-05	2.80E-04	
1.00E-97	7.37E-05	2.82E-04	
2.00E-98	7.42E-05	2.84E-04	
4.00E-99	7.47E-05	2.86E-04	
1.00E-99	7.52E-05	2.88E-04	
2.00E-00	7.57E-05	2.90E-04	
4.00E-00	7.62E-05	2.92E-04	
1.00E-00	7.67E-05	2.94E-04	
2.00E-01	7.72E-05	2.96E-04	
4.00E-01	7.77E-05	2.98E-04	
1.00E-01	7.82E-05	3.00E-04	
2.00E-02	7.87E-05	3.02E-04	
4.00E-02	7.92E-05	3.04E-04	
1.00E-02	7.97E-05	3.06E-04	
2.00E-03	8.02E-05	3.08E-04	
4.00E-03	8.07E-05	3.10E-04	
1.00E-03	8.12E-05	3.12E-04	
2.00E-04	8.17E-05	3.14E-04	
4.00E-04	8.22E-05	3.16E-04	
1.00E-04	8.27E-05	3.18E-04	
2.00E-05	8.32E-05	3.20E-04	
4.00E-05	8.37E-05	3.22E-04	
1.00E-05	8.42E-05	3.24E-04	
2.00E-06	8.47E-05	3.26E-04	
4.00E-06	8.52E-05	3.28E-04	
1.00E-06	8.57E-05	3.30E-04	
2.00E-07	8.62E-05	3.32E-04	
4.00E-07	8.67E-05	3.34E-04	
1.00E-07	8.72E-05	3.36E-04	
2.00E-08	8.77E-05	3.38E-04	
4.00E-08	8.82E-05	3.40E-04	
1.00E-08	8.87E-05	3.42E-04	
2.00E-09	8.92E-05	3.44E-04	
4.00E-09	8.97E-05	3.46E-04	
1.00E-09	9.02E-05	3.48E-04	
2.00E-10	9.07E-05	3.50E-04	
4.00E-10	9.12E-05	3.52E-04	
1.00E-10	9.17E-05	3.54E-04	
2.00E-11	9.22E-05	3.56E-04	
4.00E-11	9.27E-05	3.58E-04	
1.00E-11	9.32E-05	3.60E-04	
2.00E-12	9.37E-05	3.62E-04	
4.00E-12	9.42E-05	3.64E-04	
1.00E-12	9.47E-05	3.66E-04	
2.00E-13	9.52E-05	3.68E-04	
4.00E-13	9.57E-05	3.70E-04	
1.00E-13	9.62E-05	3.72E-04	
2.00E-14	9.67E-05	3.74E-04	
4.00E-14	9.72E-05	3.76E-04	
1.00E-14	9.77E-05	3.78E-04	
2.00E-15	9.82E-05	3.80E-04	
4.00E-15	9.87E-05	3.82E-04	
1.00E-15	9.92E-05	3.84E-04	
2.00E-16	9.97E-05	3.86E-04	
4.00E-16	1.002E-04	3.88E-04	
1.00E-16	1.007E-04	3.90E-04	
2.00E-17	1.012E-04	3.92E-04	
4.00E-17	1.017E-04	3.94E-04	
1.00E-17	1.022E-04	3.96E-04	
2.00E-18	1.027E-04	3.98E-04	
4.00E-18	1.032E-04	4.00E-04	
1.00E-18	1.037E-04	4.02E-04	
2.00E-19	1.042E-04	4.04E-04	
4.00E-19	1.047E-04	4.06E-04	
1.00E-19	1.052E-04	4.08E-04	
2.00E-20	1.057E-04	4.10E-04	
4.00E-20	1.062E-04	4.12E-04	
1.00E-20	1.067E-04	4.14E-04	
2.00E-21	1.072E-04	4.16E-04	
4.00E-21	1.077E-04	4.18E-04	
1.00E-21	1.082E-04	4.20E-04	
2.00E-22	1.087E-04	4.22E-04	
4.00E-22	1.092E-04	4.24E-04	
1.00E-22	1.097E-04	4.26E-04	
2.00E-23	1.102E-04	4.28E-04	
4.00E-23	1.107E-04	4.30E-04	
1.00E-23	1.112E-04	4.32E-04	
2.00E-24	1.117E-04	4.34E-04	
4.00E-24	1.122E-04	4.36E-04	
1.00E-24	1.127E-04	4.38E-04	
2.00E-25	1.132E-04	4.40E-04	
4.00E-25	1.137E-04	4.42E-04	
1.00E-25	1.142E-04	4.44E-04	
2.00E-26	1.147E-04	4.46E-04	
4.00E-26	1.152E-04	4.48E-04	
1.00E-26	1.157E-04	4.50E-04	
2.00E-27	1.162E-04	4.52E-04	
4.00E-27	1.167E-04</		

TABLE IX.
TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS
RADIAL DISTANCE FROM A POINT-ISOTROPIC GAMMA-
RAY SOURCE EMITTING UNIFORMLY IN THE ENERGY
INTERVAL FROM 3.0 TO 4.0 MeV

TABLE IX. (Continued)

TABLE IX. (Continued)

(keV m⁻³ sec⁻¹/keV of source energy)

RADIAL DISTANCE INTERVAL (METERS)	3.00 TO 4.00 MEV GAMMAS						TOTAL ENERGY DEPOSITION/SEC
	0.00E+00	2.00E-06	3.00E-06	5.00E-06	7.00E-06	1.00E-05	
0.0	1.00E+00	2.85E-04	5.99E-05	1.20E-05	2.40E-07	4.80E-08	0.00E+00
1.0	1.20E+00	3.14E-04	6.99E-05	1.40E-05	2.80E-07	5.70E-08	0.00E+00
2.0	1.40E+00	3.44E-04	7.99E-05	1.60E-05	3.20E-07	6.30E-08	0.00E+00
3.0	1.60E+00	3.74E-04	8.99E-05	1.80E-05	3.60E-07	6.90E-08	0.00E+00
4.0	1.80E+00	4.04E-04	9.99E-05	2.00E-05	4.00E-07	7.50E-08	0.00E+00
5.0	2.00E+00	4.34E-04	1.099E-04	2.20E-05	4.40E-07	8.10E-08	0.00E+00
6.0	2.20E+00	4.64E-04	1.199E-04	2.40E-05	4.80E-07	8.70E-08	0.00E+00
7.0	2.40E+00	4.94E-04	1.299E-04	2.60E-05	5.20E-07	9.30E-08	0.00E+00
8.0	2.60E+00	5.24E-04	1.399E-04	2.80E-05	5.60E-07	9.90E-08	0.00E+00
9.0	2.80E+00	5.54E-04	1.499E-04	3.00E-05	6.00E-07	1.050E-07	0.00E+00
10.0	3.00E+00	5.84E-04	1.599E-04	3.20E-05	6.40E-07	1.110E-07	0.00E+00
11.0	3.20E+00	6.14E-04	1.699E-04	3.40E-05	6.80E-07	1.170E-07	0.00E+00
12.0	3.40E+00	6.44E-04	1.799E-04	3.60E-05	7.20E-07	1.230E-07	0.00E+00
13.0	3.60E+00	6.74E-04	1.899E-04	3.80E-05	7.60E-07	1.290E-07	0.00E+00
14.0	3.80E+00	7.04E-04	1.999E-04	4.00E-05	8.00E-07	1.350E-07	0.00E+00
15.0	4.00E+00	7.34E-04	2.099E-04	4.20E-05	8.40E-07	1.410E-07	0.00E+00
16.0	4.20E+00	7.64E-04	2.199E-04	4.40E-05	8.80E-07	1.470E-07	0.00E+00
17.0	4.40E+00	7.94E-04	2.299E-04	4.60E-05	9.20E-07	1.530E-07	0.00E+00
18.0	4.60E+00	8.24E-04	2.399E-04	4.80E-05	9.60E-07	1.590E-07	0.00E+00
19.0	4.80E+00	8.54E-04	2.499E-04	5.00E-05	1.000E-06	1.650E-07	0.00E+00
20.0	5.00E+00	8.84E-04	2.599E-04	5.20E-05	1.040E-06	1.710E-07	0.00E+00
21.0	5.20E+00	9.14E-04	2.699E-04	5.40E-05	1.080E-06	1.770E-07	0.00E+00
22.0	5.40E+00	9.44E-04	2.799E-04	5.60E-05	1.120E-06	1.830E-07	0.00E+00
23.0	5.60E+00	9.74E-04	2.899E-04	5.80E-05	1.160E-06	1.890E-07	0.00E+00
24.0	5.80E+00	1.004E-03	2.999E-04	6.00E-05	1.200E-06	1.950E-07	0.00E+00
25.0	6.00E+00	1.034E-03	3.099E-04	6.20E-05	1.240E-06	2.010E-07	0.00E+00
26.0	6.20E+00	1.064E-03	3.199E-04	6.40E-05	1.280E-06	2.070E-07	0.00E+00
27.0	6.40E+00	1.094E-03	3.299E-04	6.60E-05	1.320E-06	2.130E-07	0.00E+00
28.0	6.60E+00	1.124E-03	3.399E-04	6.80E-05	1.360E-06	2.190E-07	0.00E+00
29.0	6.80E+00	1.154E-03	3.499E-04	7.00E-05	1.400E-06	2.250E-07	0.00E+00
30.0	7.00E+00	1.184E-03	3.599E-04	7.20E-05	1.440E-06	2.310E-07	0.00E+00
31.0	7.20E+00	1.214E-03	3.699E-04	7.40E-05	1.480E-06	2.370E-07	0.00E+00
32.0	7.40E+00	1.244E-03	3.799E-04	7.60E-05	1.520E-06	2.430E-07	0.00E+00
33.0	7.60E+00	1.274E-03	3.899E-04	7.80E-05	1.560E-06	2.490E-07	0.00E+00
34.0	7.80E+00	1.304E-03	3.999E-04	8.00E-05	1.600E-06	2.550E-07	0.00E+00
35.0	8.00E+00	1.334E-03	4.099E-04	8.20E-05	1.640E-06	2.610E-07	0.00E+00
36.0	8.20E+00	1.364E-03	4.199E-04	8.40E-05	1.680E-06	2.670E-07	0.00E+00
37.0	8.40E+00	1.394E-03	4.299E-04	8.60E-05	1.720E-06	2.730E-07	0.00E+00
38.0	8.60E+00	1.424E-03	4.399E-04	8.80E-05	1.760E-06	2.790E-07	0.00E+00
39.0	8.80E+00	1.454E-03	4.499E-04	9.00E-05	1.800E-06	2.850E-07	0.00E+00
40.0	9.00E+00	1.484E-03	4.599E-04	9.20E-05	1.840E-06	2.910E-07	0.00E+00
41.0	9.20E+00	1.514E-03	4.699E-04	9.40E-05	1.880E-06	2.970E-07	0.00E+00
42.0	9.40E+00	1.544E-03	4.799E-04	9.60E-05	1.920E-06	3.030E-07	0.00E+00
43.0	9.60E+00	1.574E-03	4.899E-04	9.80E-05	1.960E-06	3.090E-07	0.00E+00
44.0	9.80E+00	1.604E-03	4.999E-04	1.000E-04	2.000E-06	3.150E-07	0.00E+00
45.0	1.00E+01	1.634E-03	5.099E-04	1.020E-04	2.040E-06	3.210E-07	0.00E+00
46.0	1.02E+01	1.664E-03	5.199E-04	1.040E-04	2.080E-06	3.270E-07	0.00E+00
47.0	1.04E+01	1.694E-03	5.299E-04	1.060E-04	2.120E-06	3.330E-07	0.00E+00
48.0	1.06E+01	1.724E-03	5.399E-04	1.080E-04	2.160E-06	3.390E-07	0.00E+00
49.0	1.08E+01	1.754E-03	5.499E-04	1.100E-04	2.200E-06	3.450E-07	0.00E+00
50.0	1.10E+01	1.784E-03	5.599E-04	1.120E-04	2.240E-06	3.510E-07	0.00E+00
51.0	1.12E+01	1.814E-03	5.699E-04	1.140E-04	2.280E-06	3.570E-07	0.00E+00
52.0	1.14E+01	1.844E-03	5.799E-04	1.160E-04	2.320E-06	3.630E-07	0.00E+00
53.0	1.16E+01	1.874E-03	5.899E-04	1.180E-04	2.360E-06	3.690E-07	0.00E+00
54.0	1.18E+01	1.904E-03	5.999E-04	1.200E-04	2.400E-06	3.750E-07	0.00E+00
55.0	1.20E+01	1.934E-03	6.099E-04	1.220E-04	2.440E-06	3.810E-07	0.00E+00
56.0	1.22E+01	1.964E-03	6.199E-04	1.240E-04	2.480E-06	3.870E-07	0.00E+00
57.0	1.24E+01	1.994E-03	6.299E-04	1.260E-04	2.520E-06	3.930E-07	0.00E+00
58.0	1.26E+01	2.024E-03	6.399E-04	1.280E-04	2.560E-06	3.990E-07	0.00E+00
59.0	1.28E+01	2.054E-03	6.499E-04	1.300E-04	2.600E-06	4.050E-07	0.00E+00
60.0	1.30E+01	2.084E-03	6.599E-04	1.320E-04	2.640E-06	4.110E-07	0.00E+00
61.0	1.32E+01	2.114E-03	6.699E-04	1.340E-04	2.680E-06	4.170E-07	0.00E+00
62.0	1.34E+01	2.144E-03	6.799E-04	1.360E-04	2.720E-06	4.230E-07	0.00E+00
63.0	1.36E+01	2.174E-03	6.899E-04	1.380E-04	2.760E-06	4.290E-07	0.00E+00
64.0	1.38E+01	2.204E-03	6.999E-04	1.400E-04	2.800E-06	4.350E-07	0.00E+00
65.0	1.40E+01	2.234E-03	7.099E-04	1.420E-04	2.840E-06	4.410E-07	0.00E+00
66.0	1.42E+01	2.264E-03	7.199E-04	1.440E-04	2.880E-06	4.470E-07	0.00E+00
67.0	1.44E+01	2.294E-03	7.299E-04	1.460E-04	2.920E-06	4.530E-07	0.00E+00
68.0	1.46E+01	2.324E-03	7.399E-04	1.480E-04	2.960E-06	4.590E-07	0.00E+00
69.0	1.48E+01	2.354E-03	7.499E-04	1.500E-04	3.000E-06	4.650E-07	0.00E+00
70.0	1.50E+01	2.384E-03	7.599E-04	1.520E-04	3.040E-06	4.710E-07	0.00E+00
71.0	1.52E+01	2.414E-03	7.699E-04	1.540E-04	3.080E-06	4.770E-07	0.00E+00
72.0	1.54E+01	2.444E-03	7.799E-04	1.560E-04	3.120E-06	4.830E-07	0.00E+00
73.0	1.56E+01	2.474E-03	7.899E-04	1.580E-04	3.160E-06	4.890E-07	0.00E+00
74.0	1.58E+01	2.504E-03	7.999E-04	1.600E-04	3.200E-06	4.950E-07	0.00E+00
75.0	1.60E+01	2.534E-03	8.099E-04	1.620E-04	3.240E-06	5.010E-07	0.00E+00
76.0	1.62E+01	2.564E-03	8.199E-04	1.640E-04	3.280E-06	5.070E-07	0.00E+00
77.0	1.64E+01	2.594E-03	8.299E-04	1.660E-04	3.320E-06	5.130E-07	0.00E+00
78.0	1.66E+01	2.624E-03	8.399E-04	1.680E-04	3.360E-06	5.190E-07	0.00E+00
79.0	1.68E+01	2.654E-03	8.499E-04	1.700E-04	3.400E-06	5.250E-07	0.00E+00
80.0	1.70E+01	2.684E-03	8.599E-04	1.720E-04	3.440E-06	5.310E-07	0.00E+00
81.0	1.72E+01	2.714E-03	8.699E-04	1.740E-04	3.480E-06	5.370E-07	0.00E+00
82.0	1.74E+01	2.744E-03	8.799E-04	1.760E-04	3.520E-06	5.430E-07	0.00E+00
83.0	1.76E+01	2.774E-03	8.899E-04	1.780E-04	3.560E-06	5.490E-07	0.00E+00
84.0	1.78E+01	2.804E-03	8.999E-04	1.800E-04	3.600E-06	5.550E-07	0.00E+00
85.0	1.80E+01	2.834E-03	9.099E-04	1.820E-04	3.640E-06	5.610E-07	0.00E+00
86.0	1.82E+01	2.864E-03	9.199E-04	1.840E-04	3.680E-06	5.670E-07	0.00E+00
87.0	1.84E+01	2.894E-03	9.299E-04	1.860E-04	3.720E-06	5.730E-07	0.00E+00
88.0	1.86E+01	2.924E-03	9.399E-04	1.880E-04	3.760E-06	5.790E-07	0.00E+00
89.0	1.88E+01	2.954E-03	9.499E-04	1.900E-04	3.800E-06	5.850E-07	0.00E+00
90.0	1.90E+01	2.984E-03	9.599E-04	1.920E-04	3.840E-06	5.910E-07	0.00E+00
91.0	1.92E+01	3.014E-03	9.699E-04	1.940E-04	3.880E-06	5.970E-07	0.00E+00
92.0	1.94E+01	3.044E-03	9.799E-04	1.960E-04	3.920E-06	6.030E-07	0.00E+00
93.0	1.96E+01	3.074E-03	9.899E-04	1.980E-04	3.960E-06	6.090E-07	0.00E+00
94.0	1.98E+01	3.104E-03	9.999E-04	2.000E-04	4.000E-06	6.150E-07	0.00E+00
95.0	2.00E+01	3.134E-03	1.009E-03	2.020E-04	4.040E-06	6.210E-07	0.00E+00
96.0	2.02E+01	3.164E-03	1.019E-03	2.040E-04	4.080E-06	6.270E-07	0.00E+00
97.0	2.04E+01	3.194E-03	1.029E-03	2.060E-04	4.120E-06	6.330E-07	0.00E+00
98.0	2.06E+01	3.224E-03	1.039E-03	2.080E-04	4.160E-06	6.390E-07	0.00E+00
99.0							

TABLE X.
TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS
RADIAL DISTANCE FROM A POINT-ISOTROPIC GAMMA-
RAY SOURCE EMITTING UNIFORMLY IN THE ENERGY
INTERVAL FROM 4.0 to 5.0 MeV

(keV m⁻³ sec⁻¹/keV of source energy)

RADIAL DISTANCE INTERVAL (METERS)	DELAY		TIME (SEC)		TOTAL ENERGY DEPOSITION/SEC
	0.0E+00	1.00E-20	2.00E-20	5.00E-08	
0.0	1.0E+00	4.644E-14	1.872E-01	2.118E-02	5.00E-08
1.0	1.0E+00	1.132E-12	4.179E-01	1.022E-02	5.07E-08
2.0	1.0E+00	3.582E-12	1.388E-01	3.157E-02	5.07E-08
4.0	1.0E+00	6.028E-12	2.772E-01	6.379E-02	5.07E-08
6.0	1.0E+00	9.572E-12	4.251E-01	1.059E-01	5.07E-08
8.0	1.0E+00	1.411E-11	5.728E-01	1.587E-01	5.07E-08
11.25	1.0E+00	2.111E-11	8.512E-01	2.475E-01	5.07E-08
15.0	1.0E+00	3.152E-11	1.211E-00	3.895E-01	5.07E-08
22.50	1.0E+00	5.000E-11	1.711E-00	6.493E-01	5.07E-08
34.50	1.0E+00	8.000E-11	2.400E-00	1.079E-00	5.07E-08
50.00	1.0E+00	1.200E-10	3.290E-00	1.690E-00	5.07E-08
60.00	1.0E+00	1.600E-10	4.280E-00	2.454E-00	5.07E-08
80.00	1.0E+00	2.400E-10	6.800E-00	4.084E-00	5.07E-08
100.00	1.0E+00	3.200E-10	1.000E-00	6.044E-00	5.07E-08
120.00	1.0E+00	4.000E-10	1.395E-00	9.044E-00	5.07E-08
150.00	1.0E+00	5.000E-10	1.895E-00	1.394E-00	5.07E-08
225.00	1.0E+00	8.000E-10	2.960E-00	2.555E-00	5.07E-08
345.00	1.0E+00	1.200E-09	4.000E-00	3.555E-00	5.07E-08
500.00	1.0E+00	1.600E-09	5.000E-00	4.555E-00	5.07E-08
600.00	1.0E+00	2.000E-09	6.000E-00	5.555E-00	5.07E-08
800.00	1.0E+00	2.800E-09	8.000E-00	8.044E-00	5.07E-08
1000.00	1.0E+00	3.600E-09	1.000E-00	1.044E-00	5.07E-08
1200.00	1.0E+00	4.400E-09	1.395E-00	1.394E-00	5.07E-08
1500.00	1.0E+00	5.200E-09	1.895E-00	1.895E-00	5.07E-08
2250.00	1.0E+00	8.000E-09	2.960E-00	2.960E-00	5.07E-08
3450.00	1.0E+00	1.200E-08	4.000E-00	4.000E-00	5.07E-08
5000.00	1.0E+00	1.600E-08	5.000E-00	5.000E-00	5.07E-08
6000.00	1.0E+00	2.000E-08	6.000E-00	6.000E-00	5.07E-08
8000.00	1.0E+00	2.800E-08	8.000E-00	8.044E-00	5.07E-08
10000.00	1.0E+00	3.600E-08	1.000E-00	1.044E-00	5.07E-08
12000.00	1.0E+00	4.400E-08	1.395E-00	1.394E-00	5.07E-08
15000.00	1.0E+00	5.200E-08	1.895E-00	1.895E-00	5.07E-08
22500.00	1.0E+00	8.000E-08	2.960E-00	2.960E-00	5.07E-08
34500.00	1.0E+00	1.200E-07	4.000E-00	4.000E-00	5.07E-08
50000.00	1.0E+00	1.600E-07	5.000E-00	5.000E-00	5.07E-08
60000.00	1.0E+00	2.000E-07	6.000E-00	6.000E-00	5.07E-08
80000.00	1.0E+00	2.800E-07	8.000E-00	8.044E-00	5.07E-08
100000.00	1.0E+00	3.600E-07	1.000E-00	1.044E-00	5.07E-08
120000.00	1.0E+00	4.400E-07	1.395E-00	1.394E-00	5.07E-08
150000.00	1.0E+00	5.200E-07	1.895E-00	1.895E-00	5.07E-08
225000.00	1.0E+00	8.000E-07	2.960E-00	2.960E-00	5.07E-08
345000.00	1.0E+00	1.200E-06	4.000E-00	4.000E-00	5.07E-08
500000.00	1.0E+00	1.600E-06	5.000E-00	5.000E-00	5.07E-08
600000.00	1.0E+00	2.000E-06	6.000E-00	6.000E-00	5.07E-08
800000.00	1.0E+00	2.800E-06	8.000E-00	8.044E-00	5.07E-08
1000000.00	1.0E+00	3.600E-06	1.000E-00	1.044E-00	5.07E-08
1200000.00	1.0E+00	4.400E-06	1.395E-00	1.394E-00	5.07E-08
1500000.00	1.0E+00	5.200E-06	1.895E-00	1.895E-00	5.07E-08
2250000.00	1.0E+00	8.000E-06	2.960E-00	2.960E-00	5.07E-08
3450000.00	1.0E+00	1.200E-05	4.000E-00	4.000E-00	5.07E-08
5000000.00	1.0E+00	1.600E-05	5.000E-00	5.000E-00	5.07E-08
6000000.00	1.0E+00	2.000E-05	6.000E-00	6.000E-00	5.07E-08
8000000.00	1.0E+00	2.800E-05	8.000E-00	8.044E-00	5.07E-08
10000000.00	1.0E+00	3.600E-05	1.000E-00	1.044E-00	5.07E-08
12000000.00	1.0E+00	4.400E-05	1.395E-00	1.394E-00	5.07E-08
15000000.00	1.0E+00	5.200E-05	1.895E-00	1.895E-00	5.07E-08
22500000.00	1.0E+00	8.000E-05	2.960E-00	2.960E-00	5.07E-08
34500000.00	1.0E+00	1.200E-04	4.000E-00	4.000E-00	5.07E-08
50000000.00	1.0E+00	1.600E-04	5.000E-00	5.000E-00	5.07E-08
60000000.00	1.0E+00	2.000E-04	6.000E-00	6.000E-00	5.07E-08
80000000.00	1.0E+00	2.800E-04	8.000E-00	8.044E-00	5.07E-08
100000000.00	1.0E+00	3.600E-04	1.000E-00	1.044E-00	5.07E-08
120000000.00	1.0E+00	4.400E-04	1.395E-00	1.394E-00	5.07E-08
150000000.00	1.0E+00	5.200E-04	1.895E-00	1.895E-00	5.07E-08
225000000.00	1.0E+00	8.000E-04	2.960E-00	2.960E-00	5.07E-08
345000000.00	1.0E+00	1.200E-03	4.000E-00	4.000E-00	5.07E-08
500000000.00	1.0E+00	1.600E-03	5.000E-00	5.000E-00	5.07E-08
600000000.00	1.0E+00	2.000E-03	6.000E-00	6.000E-00	5.07E-08
800000000.00	1.0E+00	2.800E-03	8.000E-00	8.044E-00	5.07E-08
1000000000.00	1.0E+00	3.600E-03	1.000E-00	1.044E-00	5.07E-08
1200000000.00	1.0E+00	4.400E-03	1.395E-00	1.394E-00	5.07E-08
1500000000.00	1.0E+00	5.200E-03	1.895E-00	1.895E-00	5.07E-08
2250000000.00	1.0E+00	8.000E-03	2.960E-00	2.960E-00	5.07E-08
3450000000.00	1.0E+00	1.200E-02	4.000E-00	4.000E-00	5.07E-08
5000000000.00	1.0E+00	1.600E-02	5.000E-00	5.000E-00	5.07E-08
6000000000.00	1.0E+00	2.000E-02	6.000E-00	6.000E-00	5.07E-08
8000000000.00	1.0E+00	2.800E-02	8.000E-00	8.044E-00	5.07E-08
10000000000.00	1.0E+00	3.600E-02	1.000E-00	1.044E-00	5.07E-08
12000000000.00	1.0E+00	4.400E-02	1.395E-00	1.394E-00	5.07E-08
15000000000.00	1.0E+00	5.200E-02	1.895E-00	1.895E-00	5.07E-08
22500000000.00	1.0E+00	8.000E-02	2.960E-00	2.960E-00	5.07E-08
34500000000.00	1.0E+00	1.200E-01	4.000E-00	4.000E-00	5.07E-08
50000000000.00	1.0E+00	1.600E-01	5.000E-00	5.000E-00	5.07E-08
60000000000.00	1.0E+00	2.000E-01	6.000E-00	6.000E-00	5.07E-08
80000000000.00	1.0E+00	2.800E-01	8.000E-00	8.044E-00	5.07E-08
100000000000.00	1.0E+00	3.600E-01	1.000E-00	1.044E-00	5.07E-08
120000000000.00	1.0E+00	4.400E-01	1.395E-00	1.394E-00	5.07E-08
150000000000.00	1.0E+00	5.200E-01	1.895E-00	1.895E-00	5.07E-08
225000000000.00	1.0E+00	8.000E-01	2.960E-00	2.960E-00	5.07E-08
345000000000.00	1.0E+00	1.200E-00	4.000E-00	4.000E-00	5.07E-08
500000000000.00	1.0E+00	1.600E-00	5.000E-00	5.000E-00	5.07E-08
600000000000.00	1.0E+00	2.000E-00	6.000E-00	6.000E-00	5.07E-08
800000000000.00	1.0E+00	2.800E-00	8.000E-00	8.044E-00	5.07E-08
1000000000000.00	1.0E+00	3.600E-00	1.000E-00	1.044E-00	5.07E-08
1200000000000.00	1.0E+00	4.400E-00	1.395E-00	1.394E-00	5.07E-08
1500000000000.00	1.0E+00	5.200E-00	1.895E-00	1.895E-00	5.07E-08
2250000000000.00	1.0E+00	8.000E-00	2.960E-00	2.960E-00	5.07E-08
3450000000000.00	1.0E+00	1.200E+00	4.000E-00	4.000E-00	5.07E-08
5000000000000.00	1.0E+00	1.600E+00	5.000E-00	5.000E-00	5.07E-08
6000000000000.00	1.0E+00	2.000E+00	6.000E-00	6.000E-00	5.07E-08
8000000000000.00	1.0E+00	2.800E+00	8.000E-00	8.044E-00	5.07E-08
10000000000000.00	1.0E+00	3.600E+00	1.000E-00	1.044E-00	5.07E-08
12000000000000.00	1.0E+00	4.400E+00	1.395E-00	1.394E-00	5.07E-08
15000000000000.00	1.0E+00	5.200E+00	1.895E-00	1.895E-00	5.07E-08
22500000000000.00	1.0E+00	8.000E+00	2.960E-00	2.960E-00	5.07E-08
34500000000000.00	1.0E+00	1.200E+01	4.000E-00	4.000E-00	5.07E-08
50000000000000.00	1.0E+00	1.600E+01	5.000E-00	5.000E-00	5.07E-08
60000000000000.00	1.0E+00	2.000E+01	6.000E-00	6.000E-00	5.07E-08
80000000000000.00	1.0E+00	2.800E+01	8.000E-00	8.044E-00	5.07E-08
100000000000000.00	1.0E+00	3.600E+01	1.000E-00	1.044E-00	5.07E-08
120000000000000.00	1.0E+00	4.400E+01	1.395E-00	1.394E-00	5.07E-08
150000000000000.00	1.0E+00	5.200E+01	1.895E-00	1.895E-00	5.07E-08
225000000000000.00	1.0E+00	8.000E+01	2.960E-00	2.960E-00	5.07E-08
345000000000000.00	1.0E+00	1.200E+02	4.000E-00	4.000E-00	5.07E-08
500000000000000.00	1.0E+00	1.600E+02	5.000E-00	5.000E-00	5.07E-08
600000000000000.00	1.0E+00	2.000E+02	6.000E-00	6.000E-00	5.07E-08
800000000000000.00	1.0E+00	2.800E+02	8.000E-00	8.044E-00	5.07E-08
1000000000000000.00	1.0E+00	3.600E+02	1.000E-00	1.044E-00	5.07E-08
1200000000000000.00	1.0E+00	4.400E+02	1.395E-00	1.394E-00	5.07E-08
1500000000000000.00	1.0E+00	5.200E+02	1.895E-00	1.895E-00	5.07E-08
2250000000000000.00	1.0E+00	8.000E+02	2.960E-00	2.960E-00	5.07E-08
3450000000000000.00	1.0E+00	1.200E+03	4.000E-00	4.000E-00	5.07E-08
5000000000000000.					

TABLE X. (Continued)

(keV m⁻³ sec⁻¹/keV of source energy)

TABLE X. (Continued)
 (keV m⁻³ sec⁻¹/keV of source energy)

RADIAL DISTANCE (METERS)	4.00 TO 5.00 MEV GAMMAS						TOTAL ENERGY DEPOSITION/SEC
	4.00E+06	2.00E+06	3.00E+06	5.00E+06	7.00E+06	1.00E+05	
0.0	1.00	9.59E-05	0.00	0.00	0.00	0.00	6.088E-03
0.0	1.20	9.01E-05	0.00	0.00	0.00	0.00	7.900E-02
0.0	4.00	1.10E-04	0.00	0.00	0.00	0.00	2.400E-01
0.0	10.0	8.35E-05	0.00	0.00	0.00	0.00	6.088E-01
0.0	20.0	6.00E-05	0.00	0.00	0.00	0.00	1.520E+00
0.0	40.0	4.72E-05	0.00	0.00	0.00	0.00	3.800E+00
0.0	100.0	3.57E-05	0.00	0.00	0.00	0.00	1.000E+01
0.0	200.0	2.74E-05	0.00	0.00	0.00	0.00	2.500E+01
0.0	400.0	2.04E-05	0.00	0.00	0.00	0.00	5.000E+01
0.0	1000.0	1.47E-05	0.00	0.00	0.00	0.00	1.200E+02
0.0	2000.0	1.05E-05	0.00	0.00	0.00	0.00	2.400E+02
0.0	4000.0	7.42E-06	0.00	0.00	0.00	0.00	6.000E+02
0.0	10000.0	5.14E-06	0.00	0.00	0.00	0.00	1.500E+03
0.0	20000.0	3.57E-06	0.00	0.00	0.00	0.00	3.000E+03
0.0	40000.0	2.47E-06	0.00	0.00	0.00	0.00	5.000E+03
0.0	100000.0	1.74E-06	0.00	0.00	0.00	0.00	1.200E+04
0.0	200000.0	1.20E-06	0.00	0.00	0.00	0.00	2.400E+04
0.0	400000.0	8.35E-07	0.00	0.00	0.00	0.00	5.000E+04
0.0	1000000.0	5.95E-07	0.00	0.00	0.00	0.00	1.200E+05
0.0	2000000.0	4.17E-07	0.00	0.00	0.00	0.00	2.400E+05
0.0	4000000.0	2.74E-07	0.00	0.00	0.00	0.00	5.000E+05
0.0	10000000.0	1.87E-07	0.00	0.00	0.00	0.00	1.200E+06
0.0	20000000.0	1.25E-07	0.00	0.00	0.00	0.00	2.400E+06
0.0	40000000.0	8.35E-08	0.00	0.00	0.00	0.00	5.000E+06
0.0	100000000.0	5.95E-08	0.00	0.00	0.00	0.00	1.200E+07
0.0	200000000.0	4.17E-08	0.00	0.00	0.00	0.00	2.400E+07
0.0	400000000.0	2.74E-08	0.00	0.00	0.00	0.00	5.000E+07
0.0	1000000000.0	1.87E-08	0.00	0.00	0.00	0.00	1.200E+08
0.0	2000000000.0	1.25E-08	0.00	0.00	0.00	0.00	2.400E+08
0.0	4000000000.0	8.35E-09	0.00	0.00	0.00	0.00	5.000E+08
0.0	10000000000.0	5.95E-09	0.00	0.00	0.00	0.00	1.200E+09
0.0	20000000000.0	4.17E-09	0.00	0.00	0.00	0.00	2.400E+09
0.0	40000000000.0	2.74E-09	0.00	0.00	0.00	0.00	5.000E+09
0.0	100000000000.0	1.87E-09	0.00	0.00	0.00	0.00	1.200E+10
0.0	200000000000.0	1.25E-09	0.00	0.00	0.00	0.00	2.400E+10
0.0	400000000000.0	8.35E-10	0.00	0.00	0.00	0.00	5.000E+10
0.0	1000000000000.0	5.95E-10	0.00	0.00	0.00	0.00	1.200E+11
0.0	2000000000000.0	4.17E-10	0.00	0.00	0.00	0.00	2.400E+11
0.0	4000000000000.0	2.74E-10	0.00	0.00	0.00	0.00	5.000E+11
0.0	10000000000000.0	1.87E-10	0.00	0.00	0.00	0.00	1.200E+12
0.0	20000000000000.0	1.25E-10	0.00	0.00	0.00	0.00	2.400E+12
0.0	40000000000000.0	8.35E-11	0.00	0.00	0.00	0.00	5.000E+12
0.0	100000000000000.0	5.95E-11	0.00	0.00	0.00	0.00	1.200E+13
0.0	200000000000000.0	4.17E-11	0.00	0.00	0.00	0.00	2.400E+13
0.0	400000000000000.0	2.74E-11	0.00	0.00	0.00	0.00	5.000E+13
0.0	1000000000000000.0	1.87E-11	0.00	0.00	0.00	0.00	1.200E+14
0.0	2000000000000000.0	1.25E-11	0.00	0.00	0.00	0.00	2.400E+14
0.0	4000000000000000.0	8.35E-12	0.00	0.00	0.00	0.00	5.000E+14
0.0	10000000000000000.0	5.95E-12	0.00	0.00	0.00	0.00	1.200E+15
0.0	20000000000000000.0	4.17E-12	0.00	0.00	0.00	0.00	2.400E+15
0.0	40000000000000000.0	2.74E-12	0.00	0.00	0.00	0.00	5.000E+15
0.0	100000000000000000.0	1.87E-12	0.00	0.00	0.00	0.00	1.200E+16
0.0	200000000000000000.0	1.25E-12	0.00	0.00	0.00	0.00	2.400E+16
0.0	400000000000000000.0	8.35E-13	0.00	0.00	0.00	0.00	5.000E+16
0.0	1000000000000000000.0	5.95E-13	0.00	0.00	0.00	0.00	1.200E+17
0.0	2000000000000000000.0	4.17E-13	0.00	0.00	0.00	0.00	2.400E+17
0.0	4000000000000000000.0	2.74E-13	0.00	0.00	0.00	0.00	5.000E+17
0.0	10000000000000000000.0	1.87E-13	0.00	0.00	0.00	0.00	1.200E+18
0.0	20000000000000000000.0	1.25E-13	0.00	0.00	0.00	0.00	2.400E+18
0.0	40000000000000000000.0	8.35E-14	0.00	0.00	0.00	0.00	5.000E+18
0.0	100000000000000000000.0	5.95E-14	0.00	0.00	0.00	0.00	1.200E+19
0.0	200000000000000000000.0	4.17E-14	0.00	0.00	0.00	0.00	2.400E+19
0.0	400000000000000000000.0	2.74E-14	0.00	0.00	0.00	0.00	5.000E+19
0.0	1000000000000000000000.0	1.87E-14	0.00	0.00	0.00	0.00	1.200E+20
0.0	2000000000000000000000.0	1.25E-14	0.00	0.00	0.00	0.00	2.400E+20
0.0	4000000000000000000000.0	8.35E-15	0.00	0.00	0.00	0.00	5.000E+20
0.0	10000000000000000000000.0	5.95E-15	0.00	0.00	0.00	0.00	1.200E+21
0.0	20000000000000000000000.0	4.17E-15	0.00	0.00	0.00	0.00	2.400E+21
0.0	40000000000000000000000.0	2.74E-15	0.00	0.00	0.00	0.00	5.000E+21
0.0	100000000000000000000000.0	1.87E-15	0.00	0.00	0.00	0.00	1.200E+22
0.0	200000000000000000000000.0	1.25E-15	0.00	0.00	0.00	0.00	2.400E+22
0.0	400000000000000000000000.0	8.35E-16	0.00	0.00	0.00	0.00	5.000E+22
0.0	1000000000000000000000000.0	5.95E-16	0.00	0.00	0.00	0.00	1.200E+23
0.0	2000000000000000000000000.0	4.17E-16	0.00	0.00	0.00	0.00	2.400E+23
0.0	4000000000000000000000000.0	2.74E-16	0.00	0.00	0.00	0.00	5.000E+23
0.0	10000000000000000000000000.0	1.87E-16	0.00	0.00	0.00	0.00	1.200E+24
0.0	20000000000000000000000000.0	1.25E-16	0.00	0.00	0.00	0.00	2.400E+24
0.0	40000000000000000000000000.0	8.35E-17	0.00	0.00	0.00	0.00	5.000E+24
0.0	100000000000000000000000000.0	5.95E-17	0.00	0.00	0.00	0.00	1.200E+25
0.0	20000000000000000000000000.0	4.17E-17	0.00	0.00	0.00	0.00	2.400E+25
0.0	40000000000000000000000000.0	2.74E-17	0.00	0.00	0.00	0.00	5.000E+25
0.0	100000000000000000000000000.0	1.87E-17	0.00	0.00	0.00	0.00	1.200E+26
0.0	20000000000000000000000000.0	1.25E-17	0.00	0.00	0.00	0.00	2.400E+26
0.0	40000000000000000000000000.0	8.35E-18	0.00	0.00	0.00	0.00	5.000E+26
0.0	100000000000000000000000000.0	5.95E-18	0.00	0.00	0.00	0.00	1.200E+27
0.0	20000000000000000000000000.0	4.17E-18	0.00	0.00	0.00	0.00	2.400E+27
0.0	40000000000000000000000000.0	2.74E-18	0.00	0.00	0.00	0.00	5.000E+27
0.0	100000000000000000000000000.0	1.87E-18	0.00	0.00	0.00	0.00	1.200E+28
0.0	20000000000000000000000000.0	1.25E-18	0.00	0.00	0.00	0.00	2.400E+28
0.0	40000000000000000000000000.0	8.35E-19	0.00	0.00	0.00	0.00	5.000E+28
0.0	100000000000000000000000000.0	5.95E-19	0.00	0.00	0.00	0.00	1.200E+29
0.0	20000000000000000000000000.0	4.17E-19	0.00	0.00	0.00	0.00	2.400E+29
0.0	40000000000000000000000000.0	2.74E-19	0.00	0.00	0.00	0.00	5.000E+29
0.0	100000000000000000000000000.0	1.87E-19	0.00	0.00	0.00	0.00	1.200E+30
0.0	20000000000000000000000000.0	1.25E-19	0.00	0.00	0.00	0.00	2.400E+30
0.0	40000000000000000000000000.0	8.35E-20	0.00	0.00	0.00	0.00	5.000E+30
0.0	100000000000000000000000000.0	5.95E-20	0.00	0.00	0.00	0.00	1.200E+31
0.0	20000000000000000000000000.0	4.17E-20	0.00	0.00	0.00	0.00	2.400E+31
0.0	40000000000000000000000000.0	2.74E-20	0.00	0.00	0.00	0.00	5.000E+31
0.0	100000000000000000000000000.0	1.87E-20	0.00	0.00	0.00	0.00	1.200E+32
0.0	20000000000000000000000000.0	1.25E-20	0.00	0.00	0.00	0.00	2.400E+32
0.0	40000000000000000000000000.0	8.35E-21	0.00	0.00	0.00	0.00	5.000E+32
0.0	100000000000000000000000000.0	5.95E-21	0.00	0.00	0.00	0.00	1.200E+33
0.0	20000000000000000000000000.0	4.17E-21	0.00	0.00	0.00	0.00	2.400E+33
0.0	40000000000000000000000000.0	2.74E-21	0.00	0.00	0.00	0.00	5.000E+33
0.0	100000000000000000000000000.0	1.87E-21	0.00	0.00	0.00	0.00	1.200E+34
0.0	20000000000000000000000000.0	1.25E-21	0.00	0.00	0.00	0.00	2.400E+34
0.0	40000000000000000000000000.0	8.35E-22	0.00	0.00	0.00	0.00	5.000E+34
0.0	10000						

TABLE XI.
TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS
RADIAL DISTANCE FROM A POINT-ISOTROPIC GAMMA-
RAY SOURCE EMITTING UNIFORMLY IN THE ENERGY
INTERVAL FROM 5.0 to 6.0 MeV

(keV m⁻³ sec⁻¹/keV of source energy)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)							TOTAL ENERGY DEPOSITION/SEC
	.00E 00	1.00E-20	2.00E-20	5.00E-20	1.00E-08	5.00E-08	1.00E-07	
0.0 -	4.585E-14	2.027E-01	3.208E-02	1.191E-01	3.208E-02	1.00E-01	1.00E-07	1.00E-07
1.0 -	6.145E-14	2.357E-01	3.905E-02	1.411E-01	3.905E-02	1.00E-01	1.00E-07	1.00E-07
2.0 -	8.040E-14	2.714E-01	4.610E-02	1.671E-01	4.610E-02	1.00E-01	1.00E-07	1.00E-07
3.0 -	1.040E-13	3.117E-01	5.410E-02	2.070E-01	5.410E-02	1.00E-01	1.00E-07	1.00E-07
4.0 -	1.320E-13	3.571E-01	6.310E-02	2.570E-01	6.310E-02	1.00E-01	1.00E-07	1.00E-07
5.0 -	1.640E-13	4.074E-01	7.310E-02	3.170E-01	7.310E-02	1.00E-01	1.00E-07	1.00E-07
6.0 -	2.000E-13	4.617E-01	8.310E-02	3.870E-01	8.310E-02	1.00E-01	1.00E-07	1.00E-07
7.0 -	2.400E-13	5.197E-01	9.310E-02	4.670E-01	9.310E-02	1.00E-01	1.00E-07	1.00E-07
8.0 -	2.830E-13	5.797E-01	1.0310E-01	5.570E-01	1.0310E-01	1.00E-01	1.00E-07	1.00E-07
9.0 -	3.300E-13	6.417E-01	1.1310E-01	6.417E-01	1.1310E-01	1.00E-01	1.00E-07	1.00E-07
10.0 -	3.800E-13	7.047E-01	1.2310E-01	7.047E-01	1.2310E-01	1.00E-01	1.00E-07	1.00E-07
11.0 -	4.330E-13	7.687E-01	1.3310E-01	7.687E-01	1.3310E-01	1.00E-01	1.00E-07	1.00E-07
12.0 -	4.890E-13	8.337E-01	1.4310E-01	8.337E-01	1.4310E-01	1.00E-01	1.00E-07	1.00E-07
13.0 -	5.470E-13	9.007E-01	1.5310E-01	9.007E-01	1.5310E-01	1.00E-01	1.00E-07	1.00E-07
14.0 -	6.070E-13	9.707E-01	1.6310E-01	9.707E-01	1.6310E-01	1.00E-01	1.00E-07	1.00E-07
15.0 -	6.680E-13	1.042E-00	1.7310E-01	1.042E-00	1.7310E-01	1.00E-01	1.00E-07	1.00E-07
16.0 -	7.310E-13	1.116E-00	1.8310E-01	1.116E-00	1.8310E-01	1.00E-01	1.00E-07	1.00E-07
17.0 -	7.960E-13	1.192E-00	1.9310E-01	7.960E-13	1.9310E-01	1.00E-01	1.00E-07	1.00E-07
18.0 -	8.630E-13	1.269E-00	2.0310E-01	8.630E-13	2.0310E-01	1.00E-01	1.00E-07	1.00E-07
19.0 -	9.310E-13	1.347E-00	2.1310E-01	9.310E-13	2.1310E-01	1.00E-01	1.00E-07	1.00E-07
20.0 -	1.000E-12	1.426E-00	2.2310E-01	1.000E-12	2.2310E-01	1.00E-01	1.00E-07	1.00E-07
21.0 -	1.070E-12	1.506E-00	2.3310E-01	1.070E-12	2.3310E-01	1.00E-01	1.00E-07	1.00E-07
22.0 -	1.140E-12	1.587E-00	2.4310E-01	1.140E-12	2.4310E-01	1.00E-01	1.00E-07	1.00E-07
23.0 -	1.210E-12	1.669E-00	2.5310E-01	1.210E-12	2.5310E-01	1.00E-01	1.00E-07	1.00E-07
24.0 -	1.280E-12	1.752E-00	2.6310E-01	1.280E-12	2.6310E-01	1.00E-01	1.00E-07	1.00E-07
25.0 -	1.350E-12	1.836E-00	2.7310E-01	1.350E-12	2.7310E-01	1.00E-01	1.00E-07	1.00E-07
26.0 -	1.420E-12	1.921E-00	2.8310E-01	1.420E-12	2.8310E-01	1.00E-01	1.00E-07	1.00E-07
27.0 -	1.490E-12	2.007E-00	2.9310E-01	1.490E-12	2.9310E-01	1.00E-01	1.00E-07	1.00E-07
28.0 -	1.560E-12	2.094E-00	3.0310E-01	1.560E-12	3.0310E-01	1.00E-01	1.00E-07	1.00E-07
29.0 -	1.630E-12	2.182E-00	3.1310E-01	1.630E-12	3.1310E-01	1.00E-01	1.00E-07	1.00E-07
30.0 -	1.700E-12	2.271E-00	3.2310E-01	1.700E-12	3.2310E-01	1.00E-01	1.00E-07	1.00E-07
31.0 -	1.770E-12	2.361E-00	3.3310E-01	1.770E-12	3.3310E-01	1.00E-01	1.00E-07	1.00E-07
32.0 -	1.840E-12	2.452E-00	3.4310E-01	1.840E-12	3.4310E-01	1.00E-01	1.00E-07	1.00E-07
33.0 -	1.910E-12	2.543E-00	3.5310E-01	1.910E-12	3.5310E-01	1.00E-01	1.00E-07	1.00E-07
34.0 -	1.980E-12	2.635E-00	3.6310E-01	1.980E-12	3.6310E-01	1.00E-01	1.00E-07	1.00E-07
35.0 -	2.050E-12	2.727E-00	3.7310E-01	2.050E-12	3.7310E-01	1.00E-01	1.00E-07	1.00E-07
36.0 -	2.120E-12	2.820E-00	3.8310E-01	2.120E-12	3.8310E-01	1.00E-01	1.00E-07	1.00E-07
37.0 -	2.190E-12	2.913E-00	3.9310E-01	2.190E-12	3.9310E-01	1.00E-01	1.00E-07	1.00E-07
38.0 -	2.260E-12	3.007E-00	4.0310E-01	2.260E-12	4.0310E-01	1.00E-01	1.00E-07	1.00E-07
39.0 -	2.330E-12	3.101E-00	4.1310E-01	2.330E-12	4.1310E-01	1.00E-01	1.00E-07	1.00E-07
40.0 -	2.400E-12	3.196E-00	4.2310E-01	2.400E-12	4.2310E-01	1.00E-01	1.00E-07	1.00E-07
41.0 -	2.470E-12	3.291E-00	4.3310E-01	2.470E-12	4.3310E-01	1.00E-01	1.00E-07	1.00E-07
42.0 -	2.540E-12	3.386E-00	4.4310E-01	2.540E-12	4.4310E-01	1.00E-01	1.00E-07	1.00E-07
43.0 -	2.610E-12	3.481E-00	4.5310E-01	2.610E-12	4.5310E-01	1.00E-01	1.00E-07	1.00E-07
44.0 -	2.680E-12	3.576E-00	4.6310E-01	2.680E-12	4.6310E-01	1.00E-01	1.00E-07	1.00E-07
45.0 -	2.750E-12	3.671E-00	4.7310E-01	2.750E-12	4.7310E-01	1.00E-01	1.00E-07	1.00E-07
46.0 -	2.820E-12	3.766E-00	4.8310E-01	2.820E-12	4.8310E-01	1.00E-01	1.00E-07	1.00E-07
47.0 -	2.890E-12	3.861E-00	4.9310E-01	2.890E-12	4.9310E-01	1.00E-01	1.00E-07	1.00E-07
48.0 -	2.960E-12	3.956E-00	5.0310E-01	2.960E-12	5.0310E-01	1.00E-01	1.00E-07	1.00E-07
49.0 -	3.030E-12	4.051E-00	5.1310E-01	3.030E-12	5.1310E-01	1.00E-01	1.00E-07	1.00E-07
50.0 -	3.100E-12	4.146E-00	5.2310E-01	3.100E-12	5.2310E-01	1.00E-01	1.00E-07	1.00E-07
51.0 -	3.170E-12	4.241E-00	5.3310E-01	3.170E-12	5.3310E-01	1.00E-01	1.00E-07	1.00E-07
52.0 -	3.240E-12	4.336E-00	5.4310E-01	3.240E-12	5.4310E-01	1.00E-01	1.00E-07	1.00E-07
53.0 -	3.310E-12	4.431E-00	5.5310E-01	3.310E-12	5.5310E-01	1.00E-01	1.00E-07	1.00E-07
54.0 -	3.380E-12	4.526E-00	5.6310E-01	3.380E-12	5.6310E-01	1.00E-01	1.00E-07	1.00E-07
55.0 -	3.450E-12	4.621E-00	5.7310E-01	3.450E-12	5.7310E-01	1.00E-01	1.00E-07	1.00E-07
56.0 -	3.520E-12	4.716E-00	5.8310E-01	3.520E-12	5.8310E-01	1.00E-01	1.00E-07	1.00E-07
57.0 -	3.590E-12	4.811E-00	5.9310E-01	3.590E-12	5.9310E-01	1.00E-01	1.00E-07	1.00E-07
58.0 -	3.660E-12	4.906E-00	6.0310E-01	3.660E-12	6.0310E-01	1.00E-01	1.00E-07	1.00E-07
59.0 -	3.730E-12	4.999E-00	6.1310E-01	3.730E-12	6.1310E-01	1.00E-01	1.00E-07	1.00E-07
60.0 -	3.800E-12	5.094E-00	6.2310E-01	3.800E-12	6.2310E-01	1.00E-01	1.00E-07	1.00E-07
61.0 -	3.870E-12	5.188E-00	6.3310E-01	3.870E-12	6.3310E-01	1.00E-01	1.00E-07	1.00E-07
62.0 -	3.940E-12	5.283E-00	6.4310E-01	3.940E-12	6.4310E-01	1.00E-01	1.00E-07	1.00E-07
63.0 -	4.010E-12	5.377E-00	6.5310E-01	4.010E-12	6.5310E-01	1.00E-01	1.00E-07	1.00E-07
64.0 -	4.080E-12	5.471E-00	6.6310E-01	4.080E-12	6.6310E-01	1.00E-01	1.00E-07	1.00E-07
65.0 -	4.150E-12	5.565E-00	6.7310E-01	4.150E-12	6.7310E-01	1.00E-01	1.00E-07	1.00E-07
66.0 -	4.220E-12	5.659E-00	6.8310E-01	4.220E-12	6.8310E-01	1.00E-01	1.00E-07	1.00E-07
67.0 -	4.290E-12	5.753E-00	6.9310E-01	4.290E-12	6.9310E-01	1.00E-01	1.00E-07	1.00E-07
68.0 -	4.360E-12	5.847E-00	7.0310E-01	4.360E-12	7.0310E-01	1.00E-01	1.00E-07	1.00E-07
69.0 -	4.430E-12	5.941E-00	7.1310E-01	4.430E-12	7.1310E-01	1.00E-01	1.00E-07	1.00E-07
70.0 -	4.500E-12	6.035E-00	7.2310E-01	4.500E-12	7.2310E-01	1.00E-01	1.00E-07	1.00E-07
71.0 -	4.570E-12	6.129E-00	7.3310E-01	4.570E-12	7.3310E-01	1.00E-01	1.00E-07	1.00E-07
72.0 -	4.640E-12	6.223E-00	7.4310E-01	4.640E-12	7.4310E-01	1.00E-01	1.00E-07	1.00E-07
73.0 -	4.710E-12	6.317E-00	7.5310E-01	4.710E-12	7.5310E-01	1.00E-01	1.00E-07	1.00E-07
74.0 -	4.780E-12	6.411E-00	7.6310E-01	4.780E-12	7.6310E-01	1.00E-01	1.00E-07	1.00E-07
75.0 -	4.850E-12	6.505E-00	7.7310E-01	4.850E-12	7.7310E-01	1.00E-01	1.00E-07	1.00E-07
76.0 -	4.920E-12	6.599E-00	7.8310E-01	4.920E-12	7.8310E-01	1.00E-01	1.00E-07	1.00E-07
77.0 -	5.000E-12	6.693E-00	7.9310E-01	5.000E-12	7.9310E-01	1.00E-01	1.00E-07	1.00E-07
78.0 -	5.070E-12	6.787E-00	8.0310E-01	5.070E-12	8.0310E-01	1.00E-01	1.00E-07	1.00E-07
79.0 -	5.140E-12	6.881E-00	8.1310E-01	5.140E-12	8.1310E-01	1.00E-01	1.00E-07	1.00E-07
80.0 -	5.210E-12	6.975E-00	8.2310E-01	5.210E-12	8.2310E-01	1.00E-01	1.00E-07	1.00E-07
81.0 -	5.280E-12	7.069E-00	8.3310E-01	5.280E-12	8.3310E-01	1.00E-01	1.00E-07	1.00E-07
82.0 -	5.350E-12	7.163E-00	8.4310E-01	5.350E-12	8.4310E-01	1.00E-01	1.00E-07	1.00E-07
83.0 -	5.420E-12	7.257E-00	8.5310E-01	5.420E-12	8.5310E-01	1.00E-01	1.00E-07	1.00E-07
84.0 -	5.490E-12	7.351E-00	8.6310E-01	5.490E-12	8.6310E-01	1.00E-01	1.00E-07	1.00E-07
85.0 -	5.							

TABLE XI. (Continued)

TABLE XI. (Continued)

RADIAL DISTANCE INTERVAL (METERS)	5.00 MEV GAMMAS			TOTAL ENERGY DEPOSITION/SEC
	TIME (SEC)	DELAY TIME (SEC)	(keV m ⁻³ sec ⁻¹ /keV of source energy)	
1.50E+06	2.00E-06	3.00E-06	5.00E-06	1.147E+04
2.00E+06	3.00E-06	5.00E-06	7.00E-06	8.439E+02
2.50E+06	4.00E-06	6.00E-06	1.00E-05	5.238E+03
3.00E+06	5.00E-06	7.00E-06	1.280E+00	3.174E+01
3.50E+06	6.00E-06	8.00E-06	1.470E+00	
4.00E+06	7.00E-06	9.00E-06	1.660E+00	
4.50E+06	8.00E-06	1.00E-05	1.850E+00	
5.00E+06	9.00E-06	1.10E-05	2.040E+00	
5.50E+06	1.00E-05	1.20E-05	2.230E+00	
6.00E+06	1.10E-05	1.30E-05	2.420E+00	
6.50E+06	1.20E-05	1.40E-05	2.610E+00	
7.00E+06	1.30E-05	1.50E-05	2.800E+00	
7.50E+06	1.40E-05	1.60E-05	3.000E+00	
8.00E+06	1.50E-05	1.70E-05	3.190E+00	
8.50E+06	1.60E-05	1.80E-05	3.380E+00	
9.00E+06	1.70E-05	1.90E-05	3.570E+00	
9.50E+06	1.80E-05	2.00E-05	3.760E+00	
1.00E+07	1.90E-05	2.10E-05	3.950E+00	
1.10E+07	2.00E-05	2.20E-05	4.140E+00	
1.20E+07	2.10E-05	2.30E-05	4.330E+00	
1.30E+07	2.20E-05	2.40E-05	4.520E+00	
1.40E+07	2.30E-05	2.50E-05	4.710E+00	
1.50E+07	2.40E-05	2.60E-05	4.900E+00	
1.60E+07	2.50E-05	2.70E-05	5.090E+00	
1.70E+07	2.60E-05	2.80E-05	5.280E+00	
1.80E+07	2.70E-05	2.90E-05	5.470E+00	
1.90E+07	2.80E-05	3.00E-05	5.660E+00	
2.00E+07	2.90E-05	3.10E-05	5.850E+00	
2.10E+07	3.00E-05	3.20E-05	6.040E+00	
2.20E+07	3.10E-05	3.30E-05	6.230E+00	
2.30E+07	3.20E-05	3.40E-05	6.420E+00	
2.40E+07	3.30E-05	3.50E-05	6.610E+00	
2.50E+07	3.40E-05	3.60E-05	6.800E+00	
2.60E+07	3.50E-05	3.70E-05	7.000E+00	
2.70E+07	3.60E-05	3.80E-05	7.200E+00	
2.80E+07	3.70E-05	3.90E-05	7.400E+00	
2.90E+07	3.80E-05	4.00E-05	7.600E+00	
3.00E+07	3.90E-05	4.10E-05	7.800E+00	
3.10E+07	4.00E-05	4.20E-05	8.000E+00	
3.20E+07	4.10E-05	4.30E-05	8.200E+00	
3.30E+07	4.20E-05	4.40E-05	8.400E+00	
3.40E+07	4.30E-05	4.50E-05	8.600E+00	
3.50E+07	4.40E-05	4.60E-05	8.800E+00	
3.60E+07	4.50E-05	4.70E-05	9.000E+00	
3.70E+07	4.60E-05	4.80E-05	9.200E+00	
3.80E+07	4.70E-05	4.90E-05	9.400E+00	
3.90E+07	4.80E-05	5.00E-05	9.600E+00	
4.00E+07	4.90E-05	5.10E-05	9.800E+00	
4.10E+07	5.00E-05	5.20E-05	1.000E+01	
4.20E+07	5.10E-05	5.30E-05	1.020E+01	
4.30E+07	5.20E-05	5.40E-05	1.040E+01	
4.40E+07	5.30E-05	5.50E-05	1.060E+01	
4.50E+07	5.40E-05	5.60E-05	1.080E+01	
4.60E+07	5.50E-05	5.70E-05	1.100E+01	
4.70E+07	5.60E-05	5.80E-05	1.120E+01	
4.80E+07	5.70E-05	5.90E-05	1.140E+01	
4.90E+07	5.80E-05	6.00E-05	1.160E+01	
5.00E+07	5.90E-05	6.10E-05	1.180E+01	
5.10E+07	6.00E-05	6.20E-05	1.200E+01	
5.20E+07	6.10E-05	6.30E-05	1.220E+01	
5.30E+07	6.20E-05	6.40E-05	1.240E+01	
5.40E+07	6.30E-05	6.50E-05	1.260E+01	
5.50E+07	6.40E-05	6.60E-05	1.280E+01	

TABLE XII. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS
RADIAL DISTANCE FROM A POINT-ISOTROPIC GAMMA-
RAY SOURCE EMITTING UNIFORMLY IN THE ENERGY
INTERVAL FROM 6.0 to 7.0 MeV

(keV m⁻³ sec⁻¹/keV of source energy)

TABLE XII. (Continued)
 $(\text{keV m}^{-3} \text{sec}^{-1}/\text{keV of source energy})$

RADIAL DISTANCE INTERVAL (METERS)	6.00 TO 7.00 MEV GAMMAS						TOTAL ENERGY DEPOSITION/SEC
	DELAY	TIME (SEC)	5.00E-07	7.00E-07	1.00E-06	1.50E-06	
1.50E-07	2.00E-07	3.00E-07	5.00E-07	7.00E-07	1.00E-06	1.50E-06	1.00E-04
1.20E-07	3.00E-07	5.00E-07	7.00E-07	1.00E-06	1.50E-06	1.50E-06	1.71E-04
1.00E-07	5.00E-07	1.00E-06	1.50E-06	2.00E-06	3.00E-06	4.50E-06	5.17E-04
8.00E-08	1.00E-06	2.00E-06	3.00E-06	5.00E-06	7.00E-06	1.00E-05	1.23E-04
6.00E-08	2.00E-06	4.00E-06	6.00E-06	1.00E-05	1.50E-05	2.50E-06	2.14E-04
4.00E-08	4.00E-06	8.00E-06	1.50E-05	2.50E-05	4.00E-05	6.00E-07	6.47E-04
2.00E-08	8.00E-06	1.60E-05	3.00E-05	5.00E-05	1.00E-04	1.00E-06	1.71E-04
1.00E-08	1.60E-05	3.20E-05	6.00E-05	1.00E-04	2.00E-04	2.00E-06	3.42E-04
5.00E-09	3.20E-05	6.40E-05	1.20E-04	2.00E-04	4.00E-04	4.00E-07	6.84E-04
3.00E-09	6.40E-05	1.28E-04	2.40E-04	4.00E-04	8.00E-04	8.00E-08	1.36E-03
1.50E-09	1.28E-04	2.56E-04	4.80E-04	8.00E-04	1.60E-03	1.60E-08	2.72E-03
8.00E-10	2.56E-04	5.12E-04	9.60E-04	1.60E-03	3.20E-03	3.20E-09	5.44E-03
4.00E-10	5.12E-04	1.024E-03	1.920E-03	3.20E-03	6.40E-03	6.40E-10	1.088E-02
2.00E-10	1.024E-03	2.048E-03	3.840E-03	6.40E-03	1.280E-02	1.280E-10	2.176E-02
1.00E-10	2.048E-03	4.096E-03	7.680E-03	1.280E-02	2.560E-02	2.560E-10	4.352E-02
5.00E-11	4.096E-03	8.192E-03	1.536E-02	2.560E-02	5.120E-02	5.120E-11	8.704E-02
3.00E-11	8.192E-03	1.638E-02	3.072E-02	5.120E-02	1.024E-01	1.024E-11	1.74E-01
1.50E-11	1.638E-02	3.276E-02	6.144E-02	1.024E-01	2.048E-01	2.048E-11	3.49E-01
8.00E-12	3.276E-02	6.552E-02	1.228E-01	2.048E-01	4.096E-01	4.096E-12	6.98E-01
4.00E-12	6.552E-02	1.310E-01	2.456E-01	4.096E-01	8.192E-01	8.192E-12	1.39E-01
2.00E-12	1.310E-01	2.620E-01	4.904E-01	8.192E-01	1.638E-01	1.638E-11	2.78E-01
1.00E-12	2.620E-01	5.240E-01	9.808E-01	1.638E-01	3.276E-01	3.276E-11	5.57E-01
5.00E-13	5.240E-01	1.048E-01	1.960E-01	3.276E-01	6.552E-01	6.552E-11	1.11E-01
3.00E-13	1.048E-01	2.096E-01	3.920E-01	6.552E-01	1.310E-01	1.310E-11	2.22E-01
1.50E-13	2.096E-01	4.192E-01	7.840E-01	1.310E-01	2.620E-01	2.620E-11	4.44E-01
8.00E-14	4.192E-01	8.384E-01	1.568E-01	2.620E-01	5.240E-01	5.240E-11	8.88E-01
4.00E-14	8.384E-01	1.676E-01	3.136E-01	5.240E-01	1.048E-01	1.048E-11	1.75E-01
2.00E-14	1.676E-01	3.352E-01	6.272E-01	1.048E-01	2.096E-01	2.096E-11	3.50E-01
1.00E-14	3.352E-01	6.704E-01	1.254E-01	2.096E-01	4.192E-01	4.192E-11	7.00E-01
5.00E-15	6.704E-01	1.34E-01	2.508E-01	4.192E-01	8.384E-01	8.384E-11	1.40E-01
3.00E-15	1.34E-01	2.68E-01	5.016E-01	8.384E-01	1.676E-01	1.676E-11	2.80E-01
1.50E-15	2.68E-01	5.36E-01	1.0032E-01	1.676E-01	3.352E-01	3.352E-11	5.60E-01
8.00E-16	5.36E-01	1.072E-01	2.0064E-01	3.352E-01	6.704E-01	6.704E-11	1.12E-01
4.00E-16	1.072E-01	2.144E-01	4.0128E-01	6.704E-01	1.34E-01	1.34E-11	2.24E-01
2.00E-16	2.144E-01	4.288E-01	8.0256E-01	1.34E-01	2.68E-01	2.68E-11	4.48E-01
1.00E-16	4.288E-01	8.576E-01	1.60512E-01	2.68E-01	5.36E-01	5.36E-11	8.95E-01
5.00E-17	8.576E-01	1.7152E-01	3.21024E-01	5.36E-01	1.072E-01	1.072E-11	1.75E-01
3.00E-17	1.7152E-01	3.4304E-01	6.42048E-01	1.072E-01	2.144E-01	2.144E-11	3.50E-01
1.50E-17	3.4304E-01	6.86096E-01	1.28416E-01	2.144E-01	4.288E-01	4.288E-11	7.00E-01
8.00E-18	6.86096E-01	1.37219E-01	2.56838E-01	4.288E-01	8.576E-01	8.576E-11	1.40E-01
4.00E-18	1.37219E-01	2.74438E-01	5.13676E-01	8.576E-01	1.7152E-01	1.7152E-11	2.80E-01
2.00E-18	2.74438E-01	5.48876E-01	1.02735E-01	1.7152E-01	3.4304E-01	3.4304E-11	5.60E-01
1.00E-18	5.48876E-01	1.09771E-01	2.05472E-01	3.4304E-01	6.86096E-01	6.86096E-11	1.12E-01
5.00E-19	1.09771E-01	2.19542E-01	4.10944E-01	6.86096E-01	1.37219E-01	1.37219E-11	2.24E-01
3.00E-19	2.19542E-01	4.38884E-01	8.21888E-01	1.37219E-01	2.74438E-01	2.74438E-11	4.48E-01
1.50E-19	4.38884E-01	8.77768E-01	1.64376E-01	2.74438E-01	5.48876E-01	5.48876E-11	8.95E-01
8.00E-20	8.77768E-01	1.75553E-01	3.28752E-01	5.48876E-01	1.09771E-01	1.09771E-11	1.70E-01
4.00E-20	1.75553E-01	3.51106E-01	6.57504E-01	1.09771E-01	2.19542E-01	2.19542E-11	3.40E-01
2.00E-20	3.51106E-01	7.02212E-01	1.31501E-01	2.19542E-01	4.38884E-01	4.38884E-11	6.80E-01
1.00E-20	7.02212E-01	1.40442E-01	2.63002E-01	4.38884E-01	8.77768E-01	8.77768E-11	1.36E-01
5.00E-21	1.40442E-01	2.80884E-01	5.26004E-01	8.77768E-01	1.75553E-01	1.75553E-11	2.71E-01
3.00E-21	2.80884E-01	5.61768E-01	1.05201E-01	1.75553E-01	3.51106E-01	3.51106E-11	5.42E-01
1.50E-21	5.61768E-01	1.12353E-01	2.10402E-01	3.51106E-01	7.02212E-01	7.02212E-11	1.08E-01
8.00E-22	1.12353E-01	2.24706E-01	4.20804E-01	7.02212E-01	1.40442E-01	1.40442E-11	2.16E-01
4.00E-22	2.24706E-01	4.49412E-01	8.41608E-01	1.40442E-01	2.80884E-01	2.80884E-11	4.32E-01
2.00E-22	4.49412E-01	8.98824E-01	1.68321E-01	2.80884E-01	5.61768E-01	5.61768E-11	8.64E-01
1.00E-22	8.98824E-01	1.79764E-01	3.36642E-01	5.61768E-01	1.12353E-01	1.12353E-11	1.72E-01
5.00E-23	1.79764E-01	3.59528E-01	6.73284E-01	1.12353E-01	2.24706E-01	2.24706E-11	3.44E-01
3.00E-23	3.59528E-01	7.19056E-01	1.34656E-01	2.24706E-01	4.49412E-01	4.49412E-11	6.88E-01
1.50E-23	7.19056E-01	1.43812E-01	2.69312E-01	4.49412E-01	8.98824E-01	8.98824E-11	1.37E-01
8.00E-24	1.43812E-01	2.87624E-01	5.38648E-01	8.98824E-01	1.79764E-01	1.79764E-11	2.74E-01
4.00E-24	2.87624E-01	5.75248E-01	1.07729E-01	1.79764E-01	3.59528E-01	3.59528E-11	5.48E-01
2.00E-24	5.75248E-01	1.15059E-01	2.15458E-01	3.59528E-01	7.19056E-01	7.19056E-11	1.09E-01
1.00E-24	1.15059E-01	2.30118E-01	4.30316E-01	7.19056E-01	1.43812E-01	1.43812E-11	2.18E-01
5.00E-25	2.30118E-01	4.60236E-01	8.60632E-01	1.43812E-01	2.87624E-01	2.87624E-11	4.36E-01
3.00E-25	4.60236E-01	9.20472E-01	1.72126E-01	2.87624E-01	5.75248E-01	5.75248E-11	8.72E-01
1.50E-25	1.72126E-01	3.48052E-01	6.90156E-01	5.75248E-01	1.15059E-01	1.15059E-11	1.74E-01
8.00E-26	3.48052E-01	6.96114E-01	1.38022E-01	1.15059E-01	2.30118E-01	2.30118E-11	3.48E-01
4.00E-26	6.96114E-01	1.38022E-01	2.76044E-01	2.30118E-01	4.60236E-01	4.60236E-11	6.96E-01
2.00E-26	1.38022E-01	5.5209E-01	5.5209E-01	4.60236E-01	1.72126E-01	1.72126E-11	1.38E-01
1.00E-26	5.5209E-01	1.10418E-01	1.10418E-01	1.72126E-01	3.48052E-01	3.48052E-11	2.76E-01
5.00E-27	1.10418E-01	2.20836E-01	2.20836E-01	3.48052E-01	6.96114E-01	6.96114E-11	5.52E-01
3.00E-27	2.20836E-01	4.41672E-01	4.41672E-01	6.96114E-01	1.38022E-01	1.38022E-11	1.10E-01
1.50E-27	4.41672E-01	8.83344E-02	8.83344E-02	1.38022E-01	2.20836E-01	2.20836E-11	2.21E-02
8.00E-28	8.83344E-02	1.76668E-01	1.76668E-01	2.20836E-01	4.41672E-01	4.41672E-11	4.21E-02
4.00E-28	1.76668E-01	3.53336E-01	3.53336E-01	4.41672E-01	8.83344E-02	8.83344E-11	8.42E-02
2.00E-28	3.53336E-01	7.06672E-01	7.06672E-01	8.83344E-02	1.76668E-01	1.76668E-11	1.68E-01
1.00E-28	7.06672E-01	1.41334E-01	1.41334E-01	1.76668E-01	3.53336E-01	3.53336E-11	3.36E-01
5.00E-29	1.41334E-01	2.82668E-01	2.82668E-01	3.53336E-01	7.06672E-01	7.06672E-11	6.72E-01
3.00E-29	2.82668E-01	5.65336E-01	5.65336E-01	7.06672E-01	1.41334E-01	1.41334E-11	1.34E-01
1.50E-29	5.65336E-01	1.13067E-01	1.13067E-01	1.41334E-01	2.82668E-01	2.82668E-11	2.68E-01
8.00E-30	1.13067E-01	2.26134E-01	2.26134E-01	2.82668E-01	5.65336E-01	5.65336E-11	5.32E-01
4.00E-30	2.26134E-01	4.52268E-01	4.52268E-01	5.65336E-01	1.13067E-01	1.13067E-11	1.06E-01
2.00E-30	4.52268E-01	9.04536E-02	9.04536E-02	1.13067E-01	2.26134E-01	2.26134E-11	2.12E-01
1.00E-30	9.04536E-02	1.80907E-01	1.80907E-01	2.26134E-01	4.52268E-01	4.52268E-11	4.24E-01
5.00E-31	1.80907E-01	3.61814E-01	3.61814E-01	4.52268E-01	9.04536E-02	9.04536E-11	8.48E-01
3.00E-31	3.61814E-01	7.23628E-02	7.23628E-02	9.04536E-02	1.80907E-01	1.80907E-11	1.69E-01
1.50E-31	7.23628E-02	1.44725E-01	1.44725E-01	1.80907E-01	3.61814E-01	3.61814E-11	3.38E-01
8.00E-32	1.44725E-01	2.8945E-02	2.8945E-02	3.61814E-01	7.23628E-02	7.23628E-11	6.76E-01
4.00E-32	2.8945E-02	5.7890E-02	5.7890E-02	7.23628E-			

TABLE XII. (Continued)

(keV m⁻³ sec⁻¹/keV of source energy)

RADIAL DISTANCE INTERVAL (METERS)	6.00 TO 7.00 MEV GAMMAS						TOTAL ENERGY DEPOSITION/SEC
	1.50E-06	2.00E-06	3.00E-06	5.00E-06	7.00E-06	1.00E-05	
10.0	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.794E-01
20.0	3.587E-05	1.934E-05	1.115E-05	1.087E-05	1.087E-05	0.00E+00	7.965E-01
40.0	6.064E-05	3.127E-05	2.111E-05	2.067E-05	2.067E-05	0.00E+00	1.589E-01
60.0	9.155E-05	4.667E-05	3.055E-05	2.956E-05	2.956E-05	0.00E+00	2.383E-01
80.0	1.205E-04	6.085E-05	4.055E-05	3.819E-05	3.819E-05	0.00E+00	3.177E-01
100.0	1.500E-04	8.055E-05	5.045E-05	4.814E-05	4.814E-05	0.00E+00	3.971E-01
120.0	1.796E-04	1.027E-05	6.055E-05	5.814E-05	5.814E-05	0.00E+00	4.765E-01
140.0	2.092E-04	1.257E-05	7.055E-05	6.814E-05	6.814E-05	0.00E+00	5.559E-01
160.0	2.387E-04	1.495E-05	8.055E-05	7.814E-05	7.814E-05	0.00E+00	6.353E-01
180.0	2.682E-04	1.732E-05	9.055E-05	8.814E-05	8.814E-05	0.00E+00	7.147E-01
200.0	3.077E-04	1.972E-05	1.0055E-04	9.614E-05	9.614E-05	0.00E+00	7.941E-01
220.0	3.472E-04	2.212E-05	1.0955E-04	1.0414E-04	1.0414E-04	0.00E+00	8.735E-01
240.0	3.867E-04	2.452E-05	1.1855E-04	1.1214E-04	1.1214E-04	0.00E+00	9.529E-01
260.0	4.262E-04	2.692E-05	1.2755E-04	1.2014E-04	1.2014E-04	0.00E+00	1.032E-00
280.0	4.657E-04	2.932E-05	1.3655E-04	1.2814E-04	1.2814E-04	0.00E+00	1.111E-00
300.0	5.052E-04	3.172E-05	1.4555E-04	1.3614E-04	1.3614E-04	0.00E+00	1.191E-00
320.0	5.447E-04	3.412E-05	1.5455E-04	1.4414E-04	1.4414E-04	0.00E+00	1.269E-00
340.0	5.842E-04	3.652E-05	1.6355E-04	1.5214E-04	1.5214E-04	0.00E+00	1.349E-00
360.0	6.237E-04	3.892E-05	1.7255E-04	1.6014E-04	1.6014E-04	0.00E+00	1.428E-00
380.0	6.632E-04	4.132E-05	1.8155E-04	1.6814E-04	1.6814E-04	0.00E+00	1.508E-00
400.0	7.027E-04	4.372E-05	1.9055E-04	1.7614E-04	1.7614E-04	0.00E+00	1.587E-00
450.0	8.772E-04	5.072E-05	2.3555E-04	2.0114E-04	2.0114E-04	0.00E+00	1.962E-00
500.0	1.0517E-03	5.772E-05	3.0055E-04	2.2614E-04	2.2614E-04	0.00E+00	2.337E-00
600.0	1.2262E-03	6.472E-05	3.6555E-04	2.5114E-04	2.5114E-04	0.00E+00	2.712E-00
800.0	1.4007E-03	8.072E-05	4.3055E-04	2.7614E-04	2.7614E-04	0.00E+00	3.087E-00
1000.0	1.5752E-03	9.672E-05	4.9555E-04	3.0114E-04	3.0114E-04	0.00E+00	3.462E-00
1200.0	1.7497E-03	1.1272E-05	5.6055E-04	3.2614E-04	3.2614E-04	0.00E+00	3.837E-00

TABLE XIII. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS
RADIAL DISTANCE FROM A POINT-ISOTROPIC GAMMA-
RAY SOURCE EMITTING UNIFORMLY IN THE ENERGY
INTERVAL FROM 7.0 TO 8.0 MeV

(keV m⁻³ sec⁻¹/keV of source energy)

TABLE XIII. (Continued)

TABLE XIII. (Continued)

TABLE XIV. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS
RADIAL DISTANCE FROM A POINT-ISOTROPIC GAMMA-
RAY SOURCE EMITTING UNIFORMLY IN THE ENERGY
INTERVAL FROM 8.0 TO 9.0 MeV

(keV m⁻³ sec⁻¹/keV of source energy)

RADIAL DISTANCE (METERS)	DELAY TIME (SEC)				
	0.0E+00	1.00E-20	2.00E-08	5.00E-08	7.00E-08
0.0	1.0E+00	3.924E+14	1.411E+01	2.879E+02	7.010E+07
2.0	2.0E+00	3.999E+14	1.209E+01	2.649E+02	6.950E+07
4.0	4.0E+00	3.956E+14	1.052E+01	2.465E+02	6.550E+07
6.0	6.0E+00	3.905E+14	9.412E+00	2.304E+02	6.150E+07
8.0	8.0E+00	3.850E+14	8.202E+00	2.160E+02	5.750E+07
10.0	1.00E+01	3.795E+14	7.192E+00	2.035E+02	5.350E+07
12.0	1.20E+01	3.739E+14	6.242E+00	1.920E+02	4.950E+07
14.0	1.40E+01	3.684E+14	5.382E+00	1.815E+02	4.550E+07
16.0	1.60E+01	3.629E+14	4.592E+00	1.715E+02	4.150E+07
18.0	1.80E+01	3.574E+14	3.872E+00	1.615E+02	3.750E+07
20.0	2.00E+01	3.519E+14	3.222E+00	1.515E+02	3.350E+07
22.0	2.20E+01	3.464E+14	2.642E+00	1.415E+02	2.950E+07
24.0	2.40E+01	3.409E+14	2.132E+00	1.315E+02	2.550E+07
26.0	2.60E+01	3.354E+14	1.692E+00	1.215E+02	2.150E+07
28.0	2.80E+01	3.299E+14	1.322E+00	1.115E+02	1.750E+07
30.0	3.00E+01	3.244E+14	1.012E+00	1.015E+02	1.350E+07
32.0	3.20E+01	3.189E+14	7.722E-01	9.15E+01	9.50E+06
34.0	3.40E+01	3.134E+14	5.922E-01	8.15E+01	5.50E+06
36.0	3.60E+01	3.079E+14	4.422E-01	7.15E+01	1.50E+06
38.0	3.80E+01	3.024E+14	3.122E-01	6.15E+01	7.50E+05
40.0	4.00E+01	2.969E+14	2.022E-01	5.15E+01	3.50E+05
42.0	4.20E+01	2.914E+14	1.122E-01	4.15E+01	1.50E+05
44.0	4.40E+01	2.859E+14	6.22E-02	3.15E+01	6.50E+04
46.0	4.60E+01	2.804E+14	3.72E-02	2.15E+01	3.50E+04
48.0	4.80E+01	2.749E+14	2.22E-02	1.15E+01	1.50E+04
50.0	5.00E+01	2.694E+14	1.32E-02	6.15E+00	6.50E+03
52.0	5.20E+01	2.639E+14	7.72E-03	3.15E+00	3.50E+03
54.0	5.40E+01	2.584E+14	4.42E-03	1.15E+00	1.50E+03
56.0	5.60E+01	2.529E+14	2.32E-03	5.15E-01	6.50E+02
58.0	5.80E+01	2.474E+14	1.32E-03	2.15E-01	3.50E+02
60.0	6.00E+01	2.419E+14	7.72E-04	1.15E-01	1.50E+02
62.0	6.20E+01	2.364E+14	4.42E-04	5.15E-02	6.50E+01
64.0	6.40E+01	2.309E+14	2.32E-04	2.15E-02	3.50E+01
66.0	6.60E+01	2.254E+14	1.32E-04	1.15E-02	1.50E+01
68.0	6.80E+01	2.199E+14	7.72E-05	5.15E-03	6.50E+00
70.0	7.00E+01	2.144E+14	4.42E-05	2.15E-03	3.50E+00
72.0	7.20E+01	2.089E+14	2.32E-05	1.15E-03	1.50E+00
74.0	7.40E+01	2.034E+14	1.32E-05	5.15E-04	6.50E-01
76.0	7.60E+01	1.979E+14	7.72E-06	2.15E-04	3.50E-01
78.0	7.80E+01	1.924E+14	4.42E-06	1.15E-04	1.50E-01
80.0	8.00E+01	1.869E+14	2.32E-06	5.15E-05	6.50E-02
82.0	8.20E+01	1.814E+14	1.32E-06	2.15E-05	3.50E-02
84.0	8.40E+01	1.759E+14	7.72E-07	1.15E-05	1.50E-02
86.0	8.60E+01	1.704E+14	4.42E-07	5.15E-06	6.50E-03
88.0	8.80E+01	1.649E+14	2.32E-07	2.15E-06	3.50E-03
90.0	9.00E+01	1.594E+14	1.32E-07	1.15E-06	1.50E-03
92.0	9.20E+01	1.539E+14	7.72E-08	5.15E-07	6.50E-04
94.0	9.40E+01	1.484E+14	4.42E-08	2.15E-07	3.50E-04
96.0	9.60E+01	1.429E+14	2.32E-08	1.15E-07	1.50E-04
98.0	9.80E+01	1.374E+14	1.32E-08	5.15E-08	6.50E-05
100.0	1.00E+02	1.319E+14	7.72E-09	2.15E-08	3.50E-05
102.0	1.02E+02	1.264E+14	4.42E-09	1.15E-08	1.50E-05
104.0	1.04E+02	1.209E+14	2.32E-09	5.15E-09	6.50E-06
106.0	1.06E+02	1.154E+14	1.32E-09	2.15E-09	3.50E-06
108.0	1.08E+02	1.100E+14	7.72E-10	1.15E-09	1.50E-06
110.0	1.10E+02	1.045E+14	4.42E-10	5.15E-10	6.50E-07
112.0	1.12E+02	9.90E+13	2.32E-10	2.15E-10	3.50E-07
114.0	1.14E+02	9.35E+13	1.32E-10	1.15E-10	1.50E-07
116.0	1.16E+02	8.80E+13	7.72E-11	5.15E-11	6.50E-08
118.0	1.18E+02	8.25E+13	4.42E-11	2.15E-11	3.50E-08
120.0	1.20E+02	7.70E+13	2.32E-11	1.15E-11	1.50E-08
122.0	1.22E+02	7.15E+13	1.32E-11	5.15E-12	6.50E-09
124.0	1.24E+02	6.60E+13	7.72E-12	2.15E-12	3.50E-09
126.0	1.26E+02	6.05E+13	4.42E-12	1.15E-12	1.50E-09
128.0	1.28E+02	5.50E+13	2.32E-12	5.15E-13	6.50E-10
130.0	1.30E+02	4.95E+13	1.32E-12	2.15E-13	3.50E-10
132.0	1.32E+02	4.40E+13	7.72E-13	1.15E-13	1.50E-10
134.0	1.34E+02	3.85E+13	4.42E-13	5.15E-14	6.50E-11
136.0	1.36E+02	3.30E+13	2.32E-13	2.15E-14	3.50E-11
138.0	1.38E+02	2.75E+13	1.32E-13	1.15E-14	1.50E-11
140.0	1.40E+02	2.20E+13	7.72E-14	5.15E-15	6.50E-12
142.0	1.42E+02	1.65E+13	4.42E-14	2.15E-15	3.50E-12
144.0	1.44E+02	1.10E+13	2.32E-14	1.15E-15	1.50E-12
146.0	1.46E+02	5.50E+12	1.32E-14	5.15E-16	6.50E-13
148.0	1.48E+02	0.0E+00	7.72E-15	2.15E-16	3.50E-13
150.0	1.50E+02	0.0E+00	4.42E-15	1.15E-16	1.50E-13
152.0	1.52E+02	0.0E+00	2.32E-15	5.15E-17	6.50E-14
154.0	1.54E+02	0.0E+00	1.32E-15	2.15E-17	3.50E-14
156.0	1.56E+02	0.0E+00	7.72E-16	1.15E-17	1.50E-14
158.0	1.58E+02	0.0E+00	4.42E-16	5.15E-18	6.50E-15
160.0	1.60E+02	0.0E+00	2.32E-16	2.15E-18	3.50E-15
162.0	1.62E+02	0.0E+00	1.32E-16	1.15E-18	1.50E-15
164.0	1.64E+02	0.0E+00	7.72E-17	5.15E-19	6.50E-16
166.0	1.66E+02	0.0E+00	4.42E-17	2.15E-19	3.50E-16
168.0	1.68E+02	0.0E+00	2.32E-17	1.15E-19	1.50E-16
170.0	1.70E+02	0.0E+00	1.32E-17	5.15E-20	6.50E-17
172.0	1.72E+02	0.0E+00	7.72E-18	2.15E-20	3.50E-17
174.0	1.74E+02	0.0E+00	4.42E-18	1.15E-20	1.50E-17
176.0	1.76E+02	0.0E+00	2.32E-18	5.15E-21	6.50E-18
178.0	1.78E+02	0.0E+00	1.32E-18	2.15E-21	3.50E-18
180.0	1.80E+02	0.0E+00	7.72E-19	1.15E-21	1.50E-18
182.0	1.82E+02	0.0E+00	4.42E-19	5.15E-22	6.50E-19
184.0	1.84E+02	0.0E+00	2.32E-19	2.15E-22	3.50E-19
186.0	1.86E+02	0.0E+00	1.32E-19	1.15E-22	1.50E-19
188.0	1.88E+02	0.0E+00	7.72E-20	5.15E-23	6.50E-20
190.0	1.90E+02	0.0E+00	4.42E-20	2.15E-23	3.50E-20
192.0	1.92E+02	0.0E+00	2.32E-20	1.15E-23	1.50E-20
194.0	1.94E+02	0.0E+00	1.32E-20	5.15E-24	6.50E-21
196.0	1.96E+02	0.0E+00	7.72E-21	2.15E-24	3.50E-21
198.0	1.98E+02	0.0E+00	4.42E-21	1.15E-24	1.50E-21
200.0	2.00E+02	0.0E+00	2.32E-21	5.15E-25	6.50E-22
202.0	2.02E+02	0.0E+00	1.32E-21	2.15E-25	3.50E-22
204.0	2.04E+02	0.0E+00	7.72E-22	1.15E-25	1.50E-22
206.0	2.06E+02	0.0E+00	4.42E-22	5.15E-26	6.50E-23
208.0	2.08E+02	0.0E+00	2.32E-22	2.15E-26	3.50E-23
210.0	2.10E+02	0.0E+00	1.32E-22	1.15E-26	1.50E-23
212.0	2.12E+02	0.0E+00	7.72E-23	5.15E-27	6.50E-24
214.0	2.14E+02	0.0E+00	4.42E-23	2.15E-27	3.50E-24
216.0	2.16E+02	0.0E+00	2.32E-23	1.15E-27	1.50E-24
218.0	2.18E+02	0.0E+00	1.32E-23	5.15E-28	6.50E-25
220.0	2.20E+02	0.0E+00	7.72E-24	2.15E-28	3.50E-25
222.0	2.22E+02	0.0E+00	4.42E-24	1.15E-28	1.50E-25
224.0	2.24E+02	0.0E+00	2.32E-24	5.15E-29	6.50E-26
226.0	2.26E+02	0.0E+00	1.32E-24	2.15E-29	3.50E-26
228.0	2.28E+02	0.0E+00	7.72E-25	1.15E-29	1.50E-26
230.0	2.30E+02	0.0E+00	4.42E-25	5.15E-30	6.50E-27
232.0	2.32E+02	0.0E+00	2.32E-25	2.15E-30	3.50E-27
234.0	2.34E+02	0.0E+00	1.32E-25	1.15E-30	1.50E-27
236.0	2.36E+02	0.0E+00	7.72E-26	5.15E-31	6.50E-28
238.0	2.38E+02	0.0E+00	4.42E-26	2.15E-31	3.50E-28
240.0	2.40E+02	0.0E+00	2.32E-26	1.15E-31	1.50E-28
242.0	2.42E+02	0.0E+00	1.32E-26	5.15E-32	6.50E-29
244.0	2.44E+02	0.0E+00	7.72E-27	2.15E-32	3.50E-29
246.0	2.46E+02	0.0E+00	4.42E-27	1.15E-32	1.50E-29
248.0	2.48E+02	0.0E+00	2.32E-27	5.15E-33	6.50E-30
250.0	2.50E+02	0.0E+00	1.32E-27	2.15E-33	3.50E-30
252.0	2.52E+02	0.0E+00	7.72E-28	1.15E-33	1.50E-30
254.0	2.54E+02	0.0E+00	4.42E-28	5.15E-34	6.50E-31
256.0	2.56E+02	0.0E+00	2.32E-28	2.15E-34	3.50E-31
258.0	2.58E+02	0.0E+00	1.32E-28	1.15E-34	1.50E-31
260.0	2.60E+02	0.0E+00	7.72E-29	5.15E-35	6.50E-32
262.0	2.62E+02	0.0E+00	4.42E-29	2.15E-35	3.50E-32
264.0	2.64E+02	0.0E+00	2.32E-29	1.15E-35	1.50E-32
266.0	2.66E+02	0.0E+00	1.32E-29	5.15E-36	6.50E-33
268.0	2.68E+02	0.0E+00	7.72E-30	2.15E-36	3.50E-33
270.0	2.70E+02	0.0E+00	4.42E-30	1.15E-36	1.50E-33

TABLE XIV. (Continued)

RADIAL DISTANCE INTERVAL (METERS)	8.00 TO 9.00 MEV GAMMAS			TOTAL ENERGY DEPOSITION/SEC
	DELAY	TIME (SEC)	(keV m ⁻³ sec ⁻¹ /keV of source energy)	
1.50E-07	2.00E-07	3.00E-07	5.00E-07	7.00E-07
2.00E-07	3.00E-07	5.00E-07	7.00E-07	1.00E-06
3.00E-07	5.00E-07	7.00E-07	1.00E-06	1.50E-06
4.00E-07	6.00E-07	8.00E-07	1.00E-06	2.00E-06
5.00E-07	7.00E-07	9.00E-07	1.00E-06	2.50E-06
6.00E-07	8.00E-07	1.00E-06	1.00E-06	3.00E-06
7.00E-07	9.00E-07	1.10E-06	1.00E-06	3.50E-06
8.00E-07	1.00E-06	1.20E-06	1.00E-06	4.00E-06
9.00E-07	1.10E-06	1.30E-06	1.00E-06	4.50E-06
1.00E-06	1.20E-06	1.40E-06	1.00E-06	5.00E-06
1.10E-06	1.30E-06	1.50E-06	1.00E-06	5.50E-06
1.20E-06	1.40E-06	1.60E-06	1.00E-06	6.00E-06
1.30E-06	1.50E-06	1.70E-06	1.00E-06	6.50E-06
1.40E-06	1.60E-06	1.80E-06	1.00E-06	7.00E-06
1.50E-06	1.70E-06	1.90E-06	1.00E-06	7.50E-06
1.60E-06	1.80E-06	2.00E-06	1.00E-06	8.00E-06
1.70E-06	1.90E-06	2.10E-06	1.00E-06	8.50E-06
1.80E-06	2.00E-06	2.20E-06	1.00E-06	9.00E-06
1.90E-06	2.10E-06	2.30E-06	1.00E-06	9.50E-06
2.00E-06	2.20E-06	2.40E-06	1.00E-06	1.00E-05
2.10E-06	2.30E-06	2.50E-06	1.00E-06	1.05E-05
2.20E-06	2.40E-06	2.60E-06	1.00E-06	1.10E-05
2.30E-06	2.50E-06	2.70E-06	1.00E-06	1.15E-05
2.40E-06	2.60E-06	2.80E-06	1.00E-06	1.20E-05
2.50E-06	2.70E-06	2.90E-06	1.00E-06	1.25E-05
2.60E-06	2.80E-06	3.00E-06	1.00E-06	1.30E-05
2.70E-06	2.90E-06	3.10E-06	1.00E-06	1.35E-05
2.80E-06	3.00E-06	3.20E-06	1.00E-06	1.40E-05
2.90E-06	3.10E-06	3.30E-06	1.00E-06	1.45E-05
3.00E-06	3.20E-06	3.40E-06	1.00E-06	1.50E-05
3.10E-06	3.30E-06	3.50E-06	1.00E-06	1.55E-05
3.20E-06	3.40E-06	3.60E-06	1.00E-06	1.60E-05
3.30E-06	3.50E-06	3.70E-06	1.00E-06	1.65E-05
3.40E-06	3.60E-06	3.80E-06	1.00E-06	1.70E-05
3.50E-06	3.70E-06	3.90E-06	1.00E-06	1.75E-05
3.60E-06	3.80E-06	4.00E-06	1.00E-06	1.80E-05
3.70E-06	3.90E-06	4.10E-06	1.00E-06	1.85E-05
3.80E-06	4.00E-06	4.20E-06	1.00E-06	1.90E-05
3.90E-06	4.10E-06	4.30E-06	1.00E-06	1.95E-05
4.00E-06	4.20E-06	4.40E-06	1.00E-06	2.00E-05
4.10E-06	4.30E-06	4.50E-06	1.00E-06	2.05E-05
4.20E-06	4.40E-06	4.60E-06	1.00E-06	2.10E-05
4.30E-06	4.50E-06	4.70E-06	1.00E-06	2.15E-05
4.40E-06	4.60E-06	4.80E-06	1.00E-06	2.20E-05
4.50E-06	4.70E-06	4.90E-06	1.00E-06	2.25E-05
4.60E-06	4.80E-06	5.00E-06	1.00E-06	2.30E-05
4.70E-06	4.90E-06	5.10E-06	1.00E-06	2.35E-05
4.80E-06	5.00E-06	5.20E-06	1.00E-06	2.40E-05
4.90E-06	5.10E-06	5.30E-06	1.00E-06	2.45E-05
5.00E-06	5.20E-06	5.40E-06	1.00E-06	2.50E-05
5.10E-06	5.30E-06	5.50E-06	1.00E-06	2.55E-05
5.20E-06	5.40E-06	5.60E-06	1.00E-06	2.60E-05
5.30E-06	5.50E-06	5.70E-06	1.00E-06	2.65E-05
5.40E-06	5.60E-06	5.80E-06	1.00E-06	2.70E-05
5.50E-06	5.70E-06	5.90E-06	1.00E-06	2.75E-05
5.60E-06	5.80E-06	6.00E-06	1.00E-06	2.80E-05
5.70E-06	5.90E-06	6.10E-06	1.00E-06	2.85E-05
5.80E-06	6.00E-06	6.20E-06	1.00E-06	2.90E-05
5.90E-06	6.10E-06	6.30E-06	1.00E-06	2.95E-05
6.00E-06	6.20E-06	6.40E-06	1.00E-06	3.00E-05
6.10E-06	6.30E-06	6.50E-06	1.00E-06	3.05E-05
6.20E-06	6.40E-06	6.60E-06	1.00E-06	3.10E-05
6.30E-06	6.50E-06	6.70E-06	1.00E-06	3.15E-05
6.40E-06	6.60E-06	6.80E-06	1.00E-06	3.20E-05
6.50E-06	6.70E-06	6.90E-06	1.00E-06	3.25E-05
6.60E-06	6.80E-06	7.00E-06	1.00E-06	3.30E-05
6.70E-06	6.90E-06	7.10E-06	1.00E-06	3.35E-05
6.80E-06	7.00E-06	7.20E-06	1.00E-06	3.40E-05
6.90E-06	7.10E-06	7.30E-06	1.00E-06	3.45E-05
7.00E-06	7.20E-06	7.40E-06	1.00E-06	3.50E-05
7.10E-06	7.30E-06	7.50E-06	1.00E-06	3.55E-05
7.20E-06	7.40E-06	7.60E-06	1.00E-06	3.60E-05
7.30E-06	7.50E-06	7.70E-06	1.00E-06	3.65E-05
7.40E-06	7.60E-06	7.80E-06	1.00E-06	3.70E-05
7.50E-06	7.70E-06	7.90E-06	1.00E-06	3.75E-05
7.60E-06	7.80E-06	8.00E-06	1.00E-06	3.80E-05
7.70E-06	7.90E-06	8.10E-06	1.00E-06	3.85E-05
7.80E-06	8.00E-06	8.20E-06	1.00E-06	3.90E-05
7.90E-06	8.10E-06	8.30E-06	1.00E-06	3.95E-05
8.00E-06	8.20E-06	8.40E-06	1.00E-06	4.00E-05
8.10E-06	8.30E-06	8.50E-06	1.00E-06	4.05E-05
8.20E-06	8.40E-06	8.60E-06	1.00E-06	4.10E-05
8.30E-06	8.50E-06	8.70E-06	1.00E-06	4.15E-05
8.40E-06	8.60E-06	8.80E-06	1.00E-06	4.20E-05
8.50E-06	8.70E-06	8.90E-06	1.00E-06	4.25E-05
8.60E-06	8.80E-06	9.00E-06	1.00E-06	4.30E-05
8.70E-06	8.90E-06	9.10E-06	1.00E-06	4.35E-05
8.80E-06	9.00E-06	9.20E-06	1.00E-06	4.40E-05
8.90E-06	9.10E-06	9.30E-06	1.00E-06	4.45E-05
9.00E-06	9.20E-06	9.40E-06	1.00E-06	4.50E-05
9.10E-06	9.30E-06	9.50E-06	1.00E-06	4.55E-05
9.20E-06	9.40E-06	9.60E-06	1.00E-06	4.60E-05
9.30E-06	9.50E-06	9.70E-06	1.00E-06	4.65E-05
9.40E-06	9.60E-06	9.80E-06	1.00E-06	4.70E-05
9.50E-06	9.70E-06	9.90E-06	1.00E-06	4.75E-05
9.60E-06	9.80E-06	1.00E-05	1.00E-06	4.80E-05
9.70E-06	9.90E-06	1.01E-05	1.00E-06	4.85E-05
9.80E-06	1.00E-06	1.02E-05	1.00E-06	4.90E-05
9.90E-06	1.01E-06	1.03E-05	1.00E-06	4.95E-05
1.00E-06	1.02E-06	1.04E-05	1.00E-06	5.00E-05

TABLE XIV. (Continued)

(keV m⁻³ sec⁻¹/keV of source energy)

		8.00 TO 9.00 MEV GAMMAS				
		DELAY	TIME (SEC)			
					5.00E-06	7.00E-06
RADIAL DISTANCE (METERS)	INTERVAL	1.50E-06	2.00E-06	3.00E-06	5.00E-06	7.00E-06
0.0	0.0	0.00E+00	5.150E-05	8.000E+00	0.00E+00	0.00E+00
0.0	2.0	0.340E-05	4.500E-05	8.215E-07	0.00E+00	0.00E+00
0.0	4.0	0.00E+00	2.111E-05	2.870E-06	1.824E-07	0.00E+00
0.0	6.0	0.00E+00	0.00E+00	2.228E-06	2.329E-07	0.00E+00
0.0	8.0	0.00E+00	0.00E+00	2.450E-06	2.450E-07	0.00E+00
0.0	10.0	0.00E+00	0.00E+00	2.720E-06	2.720E-07	0.00E+00
0.0	12.0	0.00E+00	0.00E+00	3.057E-06	3.057E-07	0.00E+00
0.0	14.0	0.00E+00	0.00E+00	3.415E-06	3.415E-07	0.00E+00
0.0	16.0	0.00E+00	0.00E+00	3.792E-06	3.792E-07	0.00E+00
0.0	18.0	0.00E+00	0.00E+00	4.180E-06	4.180E-07	0.00E+00
0.0	20.0	0.00E+00	0.00E+00	4.582E-06	4.582E-07	0.00E+00
0.0	22.0	0.00E+00	0.00E+00	4.984E-06	4.984E-07	0.00E+00
0.0	24.0	0.00E+00	0.00E+00	5.386E-06	5.386E-07	0.00E+00
0.0	26.0	0.00E+00	0.00E+00	5.788E-06	5.788E-07	0.00E+00
0.0	28.0	0.00E+00	0.00E+00	6.180E-06	6.180E-07	0.00E+00
0.0	30.0	0.00E+00	0.00E+00	6.582E-06	6.582E-07	0.00E+00
0.0	32.0	0.00E+00	0.00E+00	6.984E-06	6.984E-07	0.00E+00
0.0	34.0	0.00E+00	0.00E+00	7.386E-06	7.386E-07	0.00E+00
0.0	36.0	0.00E+00	0.00E+00	7.788E-06	7.788E-07	0.00E+00
0.0	38.0	0.00E+00	0.00E+00	8.180E-06	8.180E-07	0.00E+00
0.0	40.0	0.00E+00	0.00E+00	8.582E-06	8.582E-07	0.00E+00
0.0	42.0	0.00E+00	0.00E+00	8.984E-06	8.984E-07	0.00E+00
0.0	44.0	0.00E+00	0.00E+00	9.386E-06	9.386E-07	0.00E+00
0.0	46.0	0.00E+00	0.00E+00	9.788E-06	9.788E-07	0.00E+00
0.0	48.0	0.00E+00	0.00E+00	1.018E-05	1.018E-07	0.00E+00
0.0	50.0	0.00E+00	0.00E+00	1.058E-05	1.058E-07	0.00E+00
0.0	52.0	0.00E+00	0.00E+00	1.098E-05	1.098E-07	0.00E+00
0.0	54.0	0.00E+00	0.00E+00	1.138E-05	1.138E-07	0.00E+00
0.0	56.0	0.00E+00	0.00E+00	1.178E-05	1.178E-07	0.00E+00
0.0	58.0	0.00E+00	0.00E+00	1.218E-05	1.218E-07	0.00E+00
0.0	60.0	0.00E+00	0.00E+00	1.258E-05	1.258E-07	0.00E+00
0.0	62.0	0.00E+00	0.00E+00	1.298E-05	1.298E-07	0.00E+00
0.0	64.0	0.00E+00	0.00E+00	1.338E-05	1.338E-07	0.00E+00
0.0	66.0	0.00E+00	0.00E+00	1.378E-05	1.378E-07	0.00E+00
0.0	68.0	0.00E+00	0.00E+00	1.418E-05	1.418E-07	0.00E+00
0.0	70.0	0.00E+00	0.00E+00	1.458E-05	1.458E-07	0.00E+00
0.0	72.0	0.00E+00	0.00E+00	1.498E-05	1.498E-07	0.00E+00
0.0	74.0	0.00E+00	0.00E+00	1.538E-05	1.538E-07	0.00E+00
0.0	76.0	0.00E+00	0.00E+00	1.578E-05	1.578E-07	0.00E+00
0.0	78.0	0.00E+00	0.00E+00	1.618E-05	1.618E-07	0.00E+00
0.0	80.0	0.00E+00	0.00E+00	1.658E-05	1.658E-07	0.00E+00
0.0	82.0	0.00E+00	0.00E+00	1.698E-05	1.698E-07	0.00E+00
0.0	84.0	0.00E+00	0.00E+00	1.738E-05	1.738E-07	0.00E+00
0.0	86.0	0.00E+00	0.00E+00	1.778E-05	1.778E-07	0.00E+00
0.0	88.0	0.00E+00	0.00E+00	1.818E-05	1.818E-07	0.00E+00
0.0	90.0	0.00E+00	0.00E+00	1.858E-05	1.858E-07	0.00E+00
0.0	92.0	0.00E+00	0.00E+00	1.898E-05	1.898E-07	0.00E+00
0.0	94.0	0.00E+00	0.00E+00	1.938E-05	1.938E-07	0.00E+00
0.0	96.0	0.00E+00	0.00E+00	1.978E-05	1.978E-07	0.00E+00
0.0	98.0	0.00E+00	0.00E+00	2.018E-05	2.018E-07	0.00E+00
0.0	100.0	0.00E+00	0.00E+00	2.058E-05	2.058E-07	0.00E+00
0.0	102.0	0.00E+00	0.00E+00	2.098E-05	2.098E-07	0.00E+00
0.0	104.0	0.00E+00	0.00E+00	2.138E-05	2.138E-07	0.00E+00
0.0	106.0	0.00E+00	0.00E+00	2.178E-05	2.178E-07	0.00E+00
0.0	108.0	0.00E+00	0.00E+00	2.218E-05	2.218E-07	0.00E+00
0.0	110.0	0.00E+00	0.00E+00	2.258E-05	2.258E-07	0.00E+00
0.0	112.0	0.00E+00	0.00E+00	2.298E-05	2.298E-07	0.00E+00
0.0	114.0	0.00E+00	0.00E+00	2.338E-05	2.338E-07	0.00E+00
0.0	116.0	0.00E+00	0.00E+00	2.378E-05	2.378E-07	0.00E+00
0.0	118.0	0.00E+00	0.00E+00	2.418E-05	2.418E-07	0.00E+00
0.0	120.0	0.00E+00	0.00E+00	2.458E-05	2.458E-07	0.00E+00
0.0	122.0	0.00E+00	0.00E+00	2.498E-05	2.498E-07	0.00E+00
0.0	124.0	0.00E+00	0.00E+00	2.538E-05	2.538E-07	0.00E+00
0.0	126.0	0.00E+00	0.00E+00	2.578E-05	2.578E-07	0.00E+00
0.0	128.0	0.00E+00	0.00E+00	2.618E-05	2.618E-07	0.00E+00
0.0	130.0	0.00E+00	0.00E+00	2.658E-05	2.658E-07	0.00E+00
0.0	132.0	0.00E+00	0.00E+00	2.698E-05	2.698E-07	0.00E+00
0.0	134.0	0.00E+00	0.00E+00	2.738E-05	2.738E-07	0.00E+00
0.0	136.0	0.00E+00	0.00E+00	2.778E-05	2.778E-07	0.00E+00
0.0	138.0	0.00E+00	0.00E+00	2.818E-05	2.818E-07	0.00E+00
0.0	140.0	0.00E+00	0.00E+00	2.858E-05	2.858E-07	0.00E+00
0.0	142.0	0.00E+00	0.00E+00	2.898E-05	2.898E-07	0.00E+00
0.0	144.0	0.00E+00	0.00E+00	2.938E-05	2.938E-07	0.00E+00
0.0	146.0	0.00E+00	0.00E+00	2.978E-05	2.978E-07	0.00E+00
0.0	148.0	0.00E+00	0.00E+00	3.018E-05	3.018E-07	0.00E+00
0.0	150.0	0.00E+00	0.00E+00	3.058E-05	3.058E-07	0.00E+00
0.0	152.0	0.00E+00	0.00E+00	3.098E-05	3.098E-07	0.00E+00
0.0	154.0	0.00E+00	0.00E+00	3.138E-05	3.138E-07	0.00E+00
0.0	156.0	0.00E+00	0.00E+00	3.178E-05	3.178E-07	0.00E+00
0.0	158.0	0.00E+00	0.00E+00	3.218E-05	3.218E-07	0.00E+00
0.0	160.0	0.00E+00	0.00E+00	3.258E-05	3.258E-07	0.00E+00
0.0	162.0	0.00E+00	0.00E+00	3.298E-05	3.298E-07	0.00E+00
0.0	164.0	0.00E+00	0.00E+00	3.338E-05	3.338E-07	0.00E+00
0.0	166.0	0.00E+00	0.00E+00	3.378E-05	3.378E-07	0.00E+00
0.0	168.0	0.00E+00	0.00E+00	3.418E-05	3.418E-07	0.00E+00
0.0	170.0	0.00E+00	0.00E+00	3.458E-05	3.458E-07	0.00E+00
0.0	172.0	0.00E+00	0.00E+00	3.498E-05	3.498E-07	0.00E+00
0.0	174.0	0.00E+00	0.00E+00	3.538E-05	3.538E-07	0.00E+00
0.0	176.0	0.00E+00	0.00E+00	3.578E-05	3.578E-07	0.00E+00
0.0	178.0	0.00E+00	0.00E+00	3.618E-05	3.618E-07	0.00E+00
0.0	180.0	0.00E+00	0.00E+00	3.658E-05	3.658E-07	0.00E+00
0.0	182.0	0.00E+00	0.00E+00	3.698E-05	3.698E-07	0.00E+00
0.0	184.0	0.00E+00	0.00E+00	3.738E-05	3.738E-07	0.00E+00
0.0	186.0	0.00E+00	0.00E+00	3.778E-05	3.778E-07	0.00E+00
0.0	188.0	0.00E+00	0.00E+00	3.818E-05	3.818E-07	0.00E+00
0.0	190.0	0.00E+00	0.00E+00	3.858E-05	3.858E-07	0.00E+00
0.0	192.0	0.00E+00	0.00E+00	3.898E-05	3.898E-07	0.00E+00
0.0	194.0	0.00E+00	0.00E+00	3.938E-05	3.938E-07	0.00E+00
0.0	196.0	0.00E+00	0.00E+00	3.978E-05	3.978E-07	0.00E+00
0.0	198.0	0.00E+00	0.00E+00	4.018E-05	4.018E-07	0.00E+00
0.0	200.0	0.00E+00	0.00E+00	4.058E-05	4.058E-07	0.00E+00
0.0	202.0	0.00E+00	0.00E+00	4.098E-05	4.098E-07	0.00E+00
0.0	204.0	0.00E+00	0.00E+00	4.138E-05	4.138E-07	0.00E+00
0.0	206.0	0.00E+00	0.00E+00	4.178E-05	4.178E-07	0.00E+00
0.0	208.0	0.00E+00	0.00E+00	4.218E-05	4.218E-07	0.00E+00
0.0	210.0	0.00E+00	0.00E+00	4.258E-05	4.258E-07	0.00E+00
0.0	212.0	0.00E+00	0.00E+00	4.298E-05	4.298E-07	0.00E+00
0.0	214.0	0.00E+00	0.00E+00	4.338E-05	4.338E-07	0.00E+00
0.0	216.0	0.00E+00	0.00E+00	4.378E-05	4.378E-07	0.00E+00
0.0	218.0	0.00E+00	0.00E+00	4.418E-05	4.418E-07	0.00E+00
0.0	220.0	0.00E+00	0.00E+00	4.458E-05	4.458E-07	0.00E+00
0.0	222.0	0.00E+00	0.00E+00	4.498E-05	4.498E-07	0.00E+00
0.0	224.0	0.00E+00	0.00E+00	4.538E-05	4.538E-07	0.00E+00
0.0	226.0	0.00E+00	0.00E+00	4.578E-05	4.578E-07	0.00E+00
0.0	228.0	0.00E+00	0.00E+00	4.618E-05	4.618E-07	0.00E+00
0.0	230.0	0.00E+00	0.00E+00	4.658E-05	4.658E-07	0.00E+00
0.0	232.0	0.00E+00	0.00E+00	4.698E-05	4.698E-07	0.00E+00
0.0	234.0	0.00E+00	0.00E+00	4.738E-05	4.738E-07	0.00E+00
0.0	236.0	0.00E+00	0.00E+00	4.778E-05	4.778E-07	0.00E+00
0.0	238.0	0.00E+00	0.00E+00	4.818E-05	4.818E-07	0.00E+00

TABLE XV.
TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS
RADIAL DISTANCE FROM A POINT-ISOTROPIC GAMMA-
RAY SOURCE EMITTING UNIFORMLY IN THE ENERGY
INTERVAL FROM 9.0 TO 10.0 MeV

(keV m⁻³ sec⁻¹/keV of source energy)

TABLE XV. (Continued)

RADIAL DISTANCE INTERVAL (METERS)		9.00 TO 10.00 MEV GAMMAS		TOTAL ENERGY DEPOSITION/SEC	
1.50E-07	2.00E-07	3.00E-07	5.00E-07	7.00E-07	1.00E-06
2.00E-07	3.00E-07	5.00E-07	7.00E-07	1.00E-06	1.29E-04
3.00E-07	4.50E-07	7.00E-07	1.00E-06	1.59E-04	2.05E-04
4.50E-07	6.75E-07	1.00E-06	1.45E-06	2.34E-04	3.12E-04
6.75E-07	1.01E-06	1.45E-06	2.17E-06	3.05E-04	4.21E-04
1.01E-06	1.51E-06	2.17E-06	3.17E-06	4.07E-04	5.86E-04
1.51E-06	2.26E-06	3.17E-06	4.78E-06	5.97E-04	8.61E-04
2.26E-06	3.40E-06	4.78E-06	7.20E-06	8.40E-04	1.21E-03
3.40E-06	5.10E-06	7.20E-06	1.10E-05	1.17E-03	1.71E-03
5.10E-06	7.65E-06	1.10E-05	1.65E-05	1.63E-03	2.41E-03
7.65E-06	1.14E-05	1.65E-05	2.40E-05	2.21E-03	3.21E-03
1.14E-05	1.69E-05	2.40E-05	3.60E-05	3.05E-03	4.41E-03
1.69E-05	2.44E-05	3.60E-05	5.40E-05	4.35E-03	6.21E-03
2.44E-05	3.66E-05	5.40E-05	8.40E-05	6.35E-03	9.07E-03
3.66E-05	5.49E-05	8.40E-05	1.26E-04	9.35E-03	1.37E-02
5.49E-05	8.23E-05	1.26E-04	1.84E-04	1.35E-02	1.93E-02
8.23E-05	1.23E-04	1.84E-04	2.64E-04	1.83E-02	2.59E-02
1.23E-04	1.84E-04	2.64E-04	3.76E-04	2.41E-02	3.39E-02
1.84E-04	2.64E-04	3.76E-04	5.24E-04	3.05E-02	4.22E-02
2.64E-04	3.76E-04	5.24E-04	7.16E-04	3.76E-02	5.12E-02
3.76E-04	5.24E-04	7.16E-04	9.54E-04	4.51E-02	6.21E-02
5.24E-04	7.16E-04	9.54E-04	1.24E-03	5.39E-02	7.29E-02
7.16E-04	9.54E-04	1.24E-03	1.59E-03	6.31E-02	8.86E-02
9.54E-04	1.24E-03	1.59E-03	1.95E-03	7.31E-02	1.02E-01
1.24E-03	1.59E-03	1.95E-03	2.34E-03	8.31E-02	1.17E-01
1.59E-03	1.95E-03	2.34E-03	2.74E-03	9.31E-02	1.32E-01
1.95E-03	2.34E-03	2.74E-03	3.14E-03	1.03E-01	1.47E-01
2.34E-03	2.74E-03	3.14E-03	3.54E-03	1.13E-01	1.62E-01
2.74E-03	3.14E-03	3.54E-03	3.94E-03	1.23E-01	1.77E-01
3.14E-03	3.54E-03	3.94E-03	4.34E-03	1.33E-01	1.92E-01
3.54E-03	3.94E-03	4.34E-03	4.74E-03	1.43E-01	2.07E-01
3.94E-03	4.34E-03	4.74E-03	5.14E-03	1.53E-01	2.22E-01
4.34E-03	4.74E-03	5.14E-03	5.54E-03	1.63E-01	2.37E-01
4.74E-03	5.14E-03	5.54E-03	5.94E-03	1.73E-01	2.52E-01
5.14E-03	5.54E-03	5.94E-03	6.34E-03	1.83E-01	2.67E-01
5.54E-03	5.94E-03	6.34E-03	6.74E-03	1.93E-01	2.82E-01
5.94E-03	6.34E-03	6.74E-03	7.14E-03	2.03E-01	2.97E-01
6.34E-03	6.74E-03	7.14E-03	7.54E-03	2.13E-01	3.12E-01
6.74E-03	7.14E-03	7.54E-03	7.94E-03	2.23E-01	3.27E-01
7.14E-03	7.54E-03	7.94E-03	8.34E-03	2.33E-01	3.42E-01
7.54E-03	7.94E-03	8.34E-03	8.74E-03	2.43E-01	3.57E-01
7.94E-03	8.34E-03	8.74E-03	9.14E-03	2.53E-01	3.72E-01
8.34E-03	8.74E-03	9.14E-03	9.54E-03	2.63E-01	3.87E-01
8.74E-03	9.14E-03	9.54E-03	9.94E-03	2.73E-01	4.02E-01
9.14E-03	9.54E-03	9.94E-03	1.034E-02	2.83E-01	4.17E-01
9.54E-03	9.94E-03	1.034E-02	1.074E-02	2.93E-01	4.32E-01
9.94E-03	1.034E-02	1.074E-02	1.114E-02	3.03E-01	4.47E-01
1.034E-02	1.074E-02	1.114E-02	1.154E-02	3.13E-01	4.62E-01
1.074E-02	1.114E-02	1.154E-02	1.194E-02	3.23E-01	4.77E-01
1.114E-02	1.154E-02	1.194E-02	1.234E-02	3.33E-01	4.92E-01
1.154E-02	1.194E-02	1.234E-02	1.274E-02	3.43E-01	5.07E-01
1.194E-02	1.234E-02	1.274E-02	1.314E-02	3.53E-01	5.22E-01
1.234E-02	1.274E-02	1.314E-02	1.354E-02	3.63E-01	5.37E-01
1.274E-02	1.314E-02	1.354E-02	1.394E-02	3.73E-01	5.52E-01
1.314E-02	1.354E-02	1.394E-02	1.434E-02	3.83E-01	5.67E-01
1.354E-02	1.394E-02	1.434E-02	1.474E-02	3.93E-01	5.82E-01
1.394E-02	1.434E-02	1.474E-02	1.514E-02	4.03E-01	5.97E-01
1.434E-02	1.474E-02	1.514E-02	1.554E-02	4.13E-01	6.12E-01
1.474E-02	1.514E-02	1.554E-02	1.594E-02	4.23E-01	6.27E-01
1.514E-02	1.554E-02	1.594E-02	1.634E-02	4.33E-01	6.42E-01
1.554E-02	1.594E-02	1.634E-02	1.674E-02	4.43E-01	6.57E-01
1.594E-02	1.634E-02	1.674E-02	1.714E-02	4.53E-01	6.72E-01
1.634E-02	1.674E-02	1.714E-02	1.754E-02	4.63E-01	6.87E-01
1.674E-02	1.714E-02	1.754E-02	1.794E-02	4.73E-01	7.02E-01
1.714E-02	1.754E-02	1.794E-02	1.834E-02	4.83E-01	7.17E-01
1.754E-02	1.794E-02	1.834E-02	1.874E-02	4.93E-01	7.32E-01
1.794E-02	1.834E-02	1.874E-02	1.914E-02	5.03E-01	7.47E-01
1.834E-02	1.874E-02	1.914E-02	1.954E-02	5.13E-01	7.62E-01
1.874E-02	1.914E-02	1.954E-02	1.994E-02	5.23E-01	7.77E-01
1.914E-02	1.954E-02	1.994E-02	2.034E-02	5.33E-01	7.92E-01
1.954E-02	1.994E-02	2.034E-02	2.074E-02	5.43E-01	8.07E-01
1.994E-02	2.034E-02	2.074E-02	2.114E-02	5.53E-01	8.22E-01
2.034E-02	2.074E-02	2.114E-02	2.154E-02	5.63E-01	8.37E-01
2.074E-02	2.114E-02	2.154E-02	2.194E-02	5.73E-01	8.52E-01
2.114E-02	2.154E-02	2.194E-02	2.234E-02	5.83E-01	8.67E-01
2.154E-02	2.194E-02	2.234E-02	2.274E-02	5.93E-01	8.82E-01
2.194E-02	2.234E-02	2.274E-02	2.314E-02	6.03E-01	8.97E-01
2.234E-02	2.274E-02	2.314E-02	2.354E-02	6.13E-01	9.12E-01
2.274E-02	2.314E-02	2.354E-02	2.394E-02	6.23E-01	9.27E-01
2.314E-02	2.354E-02	2.394E-02	2.434E-02	6.33E-01	9.42E-01
2.354E-02	2.394E-02	2.434E-02	2.474E-02	6.43E-01	9.57E-01
2.394E-02	2.434E-02	2.474E-02	2.514E-02	6.53E-01	9.72E-01
2.434E-02	2.474E-02	2.514E-02	2.554E-02	6.63E-01	9.87E-01
2.474E-02	2.514E-02	2.554E-02	2.594E-02	6.73E-01	1.00E-00

TABLE XV. (Continued)

TABLE XVI. TOTAL ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE AND SOURCE ENERGY INTERVAL
FOR POINT ISOTROPIC GAMMA-RAY SOURCES

(keV m⁻³/keV of source energy)

RADIAL DISTANCE INTERVAL (METERS)	PRIMARY GAMMAS (MEV)				
	8.00	7.00	6.00	5.00	4.00
9.00 - 10.00	8.00	9.00	8.00	7.00	6.00
10.00 - 11.00	4.207E-06	4.506E-06	4.651E-06	5.035E-06	5.020E-06
11.00 - 12.00	4.450E-07	4.702E-07	4.815E-07	5.142E-07	5.148E-07
12.00 - 13.00	5.537E-07	6.154E-07	6.575E-07	7.140E-07	7.177E-07
13.00 - 14.00	5.555E-08	6.152E-08	6.575E-08	7.140E-08	7.163E-08
14.00 - 15.00	6.000E-08	6.623E-08	7.152E-08	7.859E-08	8.192E-08
15.00 - 16.00	5.740E-08	6.455E-08	7.090E-08	7.879E-08	8.262E-08
16.00 - 17.00	5.330E-08	6.054E-08	6.765E-08	7.593E-08	8.026E-08
17.00 - 18.00	5.420E-08	6.105E-08	6.976E-08	7.877E-08	8.414E-08
18.00 - 19.00	5.024E-08	5.740E-08	6.544E-08	7.447E-08	8.041E-08
19.00 - 20.00	5.450E-08	6.268E-08	7.094E-08	8.014E-08	8.674E-08
20.00 - 21.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
21.00 - 22.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
22.00 - 23.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
23.00 - 24.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
24.00 - 25.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
25.00 - 26.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
26.00 - 27.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
27.00 - 28.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
28.00 - 29.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
29.00 - 30.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
30.00 - 31.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
31.00 - 32.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
32.00 - 33.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
33.00 - 34.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
34.00 - 35.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
35.00 - 36.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
36.00 - 37.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
37.00 - 38.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
38.00 - 39.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
39.00 - 40.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
40.00 - 41.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
41.00 - 42.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
42.00 - 43.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
43.00 - 44.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
44.00 - 45.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
45.00 - 46.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
46.00 - 47.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
47.00 - 48.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
48.00 - 49.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
49.00 - 50.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
50.00 - 51.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
51.00 - 52.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
52.00 - 53.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
53.00 - 54.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
54.00 - 55.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
55.00 - 56.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
56.00 - 57.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
57.00 - 58.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
58.00 - 59.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
59.00 - 60.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
60.00 - 61.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
61.00 - 62.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
62.00 - 63.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
63.00 - 64.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
64.00 - 65.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
65.00 - 66.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
66.00 - 67.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
67.00 - 68.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
68.00 - 69.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
69.00 - 70.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
70.00 - 71.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
71.00 - 72.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
72.00 - 73.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
73.00 - 74.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
74.00 - 75.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
75.00 - 76.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
76.00 - 77.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
77.00 - 78.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
78.00 - 79.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
79.00 - 80.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
80.00 - 81.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
81.00 - 82.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
82.00 - 83.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
83.00 - 84.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
84.00 - 85.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
85.00 - 86.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
86.00 - 87.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
87.00 - 88.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
88.00 - 89.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
89.00 - 90.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
90.00 - 91.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
91.00 - 92.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
92.00 - 93.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
93.00 - 94.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
94.00 - 95.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
95.00 - 96.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
96.00 - 97.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
97.00 - 98.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
98.00 - 99.00	5.052E-08	5.772E-08	6.620E-08	7.521E-08	8.153E-08
99.00 - 100.00	5.452E-08	6.172E-08	7.005E-08	7.925E-08	8.562E-08
TOTAL (keV/keV) 9.570E-01	9.593E-01	9.612E-01	9.712E-01	9.788E-01	9.846E-01

TABLE XVI. (Continued)
 $(\text{keV m}^{-3}/\text{keV}$ of source energy)

RADIAL DISTANCE INTERVAL (METERS)	PRIMARY GAMMAS SOURCE ENERGY BOUNDS (MEV)					
	3.00	2.00	1.00	.50	.10	.01
0.0	1.00	1.30E-06	7.00E-06	8.67E-06	3.79E-06	1.05E-06
0.0	1.200	1.48E-07	8.73E-07	1.15E-07	4.78E-07	1.47E-07
0.0	1.400	1.62E-07	1.03E-07	1.32E-07	5.87E-08	1.72E-08
0.0	1.600	1.74E-07	1.15E-07	1.45E-07	6.21E-08	1.87E-08
0.0	1.800	1.85E-07	1.25E-07	1.55E-07	6.55E-08	2.03E-08
0.0	2.000	1.95E-07	1.35E-07	1.65E-07	6.89E-08	2.23E-08
0.0	2.200	2.04E-07	1.45E-07	1.75E-07	7.23E-08	2.43E-08
0.0	2.400	2.12E-07	1.55E-07	1.85E-07	7.57E-08	2.63E-08
0.0	2.600	2.19E-07	1.65E-07	1.95E-07	7.91E-08	2.83E-08
0.0	2.800	2.25E-07	1.75E-07	2.05E-07	8.25E-08	3.03E-08
0.0	3.000	2.30E-07	1.85E-07	2.15E-07	8.59E-08	3.23E-08
0.0	3.200	2.34E-07	1.95E-07	2.25E-07	8.93E-08	3.43E-08
0.0	3.400	2.37E-07	2.05E-07	2.35E-07	9.27E-08	3.63E-08
0.0	3.600	2.40E-07	2.15E-07	2.45E-07	9.61E-08	3.83E-08
0.0	3.800	2.42E-07	2.25E-07	2.55E-07	9.95E-08	4.03E-08
0.0	4.000	2.44E-07	2.35E-07	2.65E-07	1.03E-07	4.23E-08
0.0	4.200	2.46E-07	2.45E-07	2.75E-07	1.07E-07	4.43E-08
0.0	4.400	2.48E-07	2.55E-07	2.85E-07	1.11E-07	4.63E-08
0.0	4.600	2.50E-07	2.65E-07	2.95E-07	1.15E-07	4.83E-08
0.0	4.800	2.52E-07	2.75E-07	3.05E-07	1.19E-07	5.03E-08
0.0	5.000	2.54E-07	2.85E-07	3.15E-07	1.23E-07	5.23E-08
0.0	5.200	2.56E-07	2.95E-07	3.25E-07	1.27E-07	5.43E-08
0.0	5.400	2.58E-07	3.05E-07	3.35E-07	1.31E-07	5.63E-08
0.0	5.600	2.60E-07	3.15E-07	3.45E-07	1.35E-07	5.83E-08
0.0	5.800	2.62E-07	3.25E-07	3.55E-07	1.39E-07	6.03E-08
0.0	6.000	2.64E-07	3.35E-07	3.65E-07	1.43E-07	6.23E-08
0.0	6.200	2.66E-07	3.45E-07	3.75E-07	1.47E-07	6.43E-08
0.0	6.400	2.68E-07	3.55E-07	3.85E-07	1.51E-07	6.63E-08
0.0	6.600	2.70E-07	3.65E-07	3.95E-07	1.55E-07	6.83E-08
0.0	6.800	2.72E-07	3.75E-07	4.05E-07	1.59E-07	7.03E-08
0.0	7.000	2.74E-07	3.85E-07	4.15E-07	1.63E-07	7.23E-08
0.0	7.200	2.76E-07	3.95E-07	4.25E-07	1.67E-07	7.43E-08
0.0	7.400	2.78E-07	4.05E-07	4.35E-07	1.71E-07	7.63E-08
0.0	7.600	2.80E-07	4.15E-07	4.45E-07	1.75E-07	7.83E-08
0.0	7.800	2.82E-07	4.25E-07	4.55E-07	1.79E-07	8.03E-08
0.0	8.000	2.84E-07	4.35E-07	4.65E-07	1.83E-07	8.23E-08
0.0	8.200	2.86E-07	4.45E-07	4.75E-07	1.87E-07	8.43E-08
0.0	8.400	2.88E-07	4.55E-07	4.85E-07	1.91E-07	8.63E-08
0.0	8.600	2.90E-07	4.65E-07	4.95E-07	1.95E-07	8.83E-08
0.0	8.800	2.92E-07	4.75E-07	5.05E-07	1.99E-07	9.03E-08
0.0	9.000	2.94E-07	4.85E-07	5.15E-07	2.03E-07	9.23E-08
0.0	9.200	2.96E-07	4.95E-07	5.25E-07	2.07E-07	9.43E-08
0.0	9.400	2.98E-07	5.05E-07	5.35E-07	2.11E-07	9.63E-08
0.0	9.600	3.00E-07	5.15E-07	5.45E-07	2.15E-07	9.83E-08
0.0	9.800	3.05E-07	5.25E-07	5.55E-07	2.19E-07	1.00E-07
TOTAL	9.890E-01	9.928E-01	9.965E-01	9.971E-01	9.916E-01	9.697E-01

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